

BIBLIOGRAPHY

- Abeyta, Dan. 1997, May 8. Letter to D. A. Duff.
- Akcakaya, H. R. and S. Ferson. 1992. Spatially structured population models for conservation biology. RAMAS/space. Setauket, New York:Applied Biomathematics. 114 pp.
- Alderfer, R. B. and R. R. Robinson. 1947. Runoff from pastures in relation to grazing intensity and soil compaction. Journal of the American Society of Agronomy 39:948-958.
- Alderman, D. J. 1986. Whirling disease.chemotherapy. Bull. Eur. Ass. Fish Pathol. 6(2):38-40.
- Allan, J. H. 1980. Life history notes on the Dolly Varden char (Savelinus malma) in the Upper Clearwater River, Alberta. Manuscript Report. Red Deer, Alberta: Energy and Natural Resources, Fish and Wildlife Division. 58 pp.
- American Fisheries Society. 1991. Influences of forest and rangeland management on salmonid fishes and their habitat. W. R. Meehan, ed. Special Publication 19. Bethesda, Maryland: American Fisheries Society
- Anderson, H. W. 1973. The effects of clearcutting on stream temperature, a literature review. Rep. 29. Olympia, Washington: Washington Department of Natural Resources. 23pp.
- Anderson, R. M. and R. B. Nehring. 1984. Effects of a catch-and-release regulation on a wild trout population in Colorado and its acceptance by anglers. North American Journal of Fisheries Management 4(3):257-265.
- Andree, K. and R. P. Hedrick. 1995. Molecular Phylogenetics unites alternate actinosporean and myxosporean stages of Myxobolus cerebralis, the causative agent of whirling disease in salmonid fish. AFS/FHS Newsletter 23(4):1-3.

- Armour, C. L. 1977. Effects of deteriorated range streams on trout. Boise, Idaho: U.S. Bureau of Land Management.
- Armour, C. L., K. P. Burnham, and W. S. Platts. 1983. Field methods and statistical analysis for monitoring small salmonid streams. U.S. Fish and Wildlife Service., FWS/OBS 83/33.
- Armour, C. L., D. A. Duff, and W. Elmore. 1991. The effects of livestock grazing on riparian and stream ecosystems. Fisheries (Bethesda) 16(1):7-11.
- Armour, C. L., D. A. Duff, and W. Elmore. 1992. The effects of livestock grazing on western riparian and stream ecosystems.
- Armstrong, R. H. and J. E. Morrow. 1980. The Dolly Varden charr (Salvelinus malma). In E. K. Balon, ed. Charrs, salmonid fishes of the genus Salvelinus. Pp. 99-140. The Hague, Netherlands: Dr. W. Junk Publishers.
- Atwood, C. L. 1989. Restoring the ravaged range. Audubon Wildlife Report 1989/1990. W. J. Chandler, ed. Pp. 331-364.
- Auerbach, H. S. 1943. Father Escalante's journal with related documents and maps. Utah State Historical Quarterly. XI. 143 pp.
- Balon, E. K., ed. 1980. Charrs: Salmonid fishes of the genus Salvelinus. The Hague, Netherlands: Dr. W. Junk Publishers. 928 pp.
- Balon, E. K. 1984. Life histories of Arctic charrs: An epigenetic explanation of their invading ability and evolution. In L. Johnson and B. Burns, eds. Biology of the Arctic charr: Proceedings of the international symposium on Arctic charr, May 1981, Winnipeg, Manitoba. Pp. 109-141. Winnipeg, Manitoba: University of Manitoba Press.
- Barton, D. R., W. D. Taylor, and R. M. Biette. 1985. Dimensions of riparian buffer strips required to maintain trout habitat in southern Ontario streams. North American Journal of Fisheries Management 5:364-378.
- Baxter, G. T. and J. R. Simon. 1972. Wyoming fishes. Bulletin 4. Cheyenne: Wyoming Game and Fish Department.

- Beamsderfer, R. C. 1988. MOCPOP: A flexible simulator for analysis of age-structured populations and stock-related functions. Inf. Rep. 88. Portland, Oregon: Department of Fish and Wildlife. 30 pp.
- Behnke, R. J. 1960. Taxonomy of cutthroat trout of the Great Basin. M.S. thesis. Berkeley: Dept. of Zoology, University of California. 98pp.
- Behnke, R. J. 1973. Bonneville cutthroat trout. Report to U.S. Fish and Wildlife Service. Region II, Albuquerque, New Mexico. 4 pp.
- Behnke, R. J. 1975. The native cutthroat trouts of Wyoming I: Evaluation of collections from the Green River and Bear River drainages. Taxonomic Evaluation Report, Colorado State University, Fort Collins, Colorado.
- Behnke, R. J. 1976. Identification of trout and environmental problems of Thomas Fork drainage, Wyoming. Colorado State University.
- Behnke, R. J. 1976. A summary of information on a unique form of cutthroat trout native to the Snake Valley section of the Bonneville basin, Utah-Nevada. Report for U.S. BLM, Salt Lake City, Utah. 18 pp.
- Behnke, R. J. 1977. Fish faunal changes associated with land-use and water development. Great Plains-Rocky Mountain Geological Journal 6(2):133-136.
- Behnke, R. J. 1978. The native cutthroat trouts of Wyoming III: Evaluation of 1977 collections from the Green River and Bear River drainages. Taxonomic Evaluation Report, Colorado State University, Fort Collins, Colorado.
- Behnke, R. J. 1979. Monograph of the native trouts of the genus Salmo of western North America. 215 pp.
- Behnke, R. J. 1980. The native cutthroat trouts of Wyoming v: Green River and Bear River drainages. Taxonomic Evaluation Report, Colorado State University, Fort Collins, Colorado.
- Behnke, R. J. 1980. Purity evaluation of Bear River cutthroat trout from Mill and Carter creeks, Wasatch National Forest, Summit County, Utah. Report to the U.S. Forest Service, Wasatch-Cache National Forest, Salt Lake City, Utah.

- Behnke, R. J. 1981. systematic and Zoographical interpretation of Great Basin Trouts. In R. J. Naiman and D. L. Soltz, eds., Biology of Fishes of the Great American Desert. pp. 255-262. New York: John Wiley Pub. 552 pp.
- Behnke, R. J. 1982. The native cutthroat trouts of Wyoming VI: Three samples collected during 1981 from Green River and Bear River drainages. Taxonomic Evaluation Report, Colorado State University, Fort Collins, Colorado.
- Behnke, R. J. 1983. Impact of livestock grazing on stream fisheries: Problems and solutions. Proceedings of Workshops on Livestock and Wildlife-Fisheries Relationships in the Great Basin. Pp. 170-173. J. W. Menke, ed. Special Publication 3301. Berkeley: University of California Agricultural Sciences.
- Behnke, R. J. 1987. The native trouts of Wyoming VII: Collections of 1985-86. Taxonomic Evaluation Report, Colorado State University, Fort Collins, Colorado.
- Behnke, R. J. 1988. Phylogeny and classification of cutthroat trout. In R. E. Gresswell, ed. Status and management of interior stocks of cutthroat trout, pp. 1-7. American Fisheries Society Symposium 4, Bethesda, Maryland.
- Behnke, R. J. 1988. Report of 1987 collections of Wyoming cutthroat trout. Taxonomic Evaluation Report, Colorado State University, Fort Collins, Colorado.
- Behnke, R. J. 1989. Identification of Wyoming cutthroat trout sampled in 1988. Taxonomic Evaluation Report, Colorado State University, Fort Collins, Colorado.
- Behnke, R. J. 1989. Summary of progress in wild trout management 1974-1989. Wild trout IV. Pp. 12-17. F. Richardson and R. Hamre, eds. Trout Unlimited.
- Behnke, R. J. 1991. Identification of Wyoming cutthroat trout collections made in 1990. Taxonomic Evaluation Report, Colorado State University, Fort Collins, Colorado.
- Behnke, R. J. 1992. Native trout of western North America. American Fisheries Society, Monograph 6.

- Behnke, R. J. and D. S. Proebstel. 1994. Analysis of cutthroat trout from the Bonneville Basin, Idaho. Report to U.S. Forest Service, Caribou National Forest, Pocatello, Idaho.
- Behnke, R. J. and M. Zarn. 1976. Biology and management of threatened and endangered western trout. U.S. Forest Service General Technical Report, RM-28, Fort Collins, Colorado.
- Bella, D. A. and W. S. Overton. 1972. Environmental planning and ecological possibilities. Journal of Sanitary Engineering Division, American Society of Civil Engineers 98:599-592.
- Berg, O. K. 1985. The formation of non-anadromous populations of Atlantic salmon, Salmo salar L., in Europe. Journal of Fish Biology 27:805-815.
- Beschta, R. L. and W. S. Platts. 1986. Morphological features of small streams: Significance and function. Water Resource Bulletin 22(3):369-380.
- Beschta, R. L., R. E. Bilby, G. W. Brown, L. Blair Holtby, and T. D. Hofstra. 1987. Stream temperature and aquatic habitat: Fisheries and forestry interactions. In E. O. Salo and T. W. Cundy, eds. Streamside management: Forestry and fishery interactions. Pp.191-232. Contrib. 57. Seattle, Washington: University of Washington, Institute of Forest Resources.
- Binns, N. A. 1977. Present status of indigenous populations of cutthroat trout, Salmo clarki, in southwest Wyoming. Wyoming Game and Fish Department, Fisheries Technical Bulletin 2. 58 pp.
- Binns, N. A. 1981. Bonneville cutthroat trout (Salmo clarki utah) in Wyoming. Fisheries Technical Bulletin 5. Wyoming Game and Fish Department, Cheyenne.
- Binns, N. A. 1982. Habitat quality index procedures manual. Cheyenne: Wyoming Game and Fish Department.
- Binns, N. A. 1985. Bring back the Bear River cutthroat. Wyoming Wildlife 49(6):10-13.

- Binns, N. A. 1986. Habitat, macroinvertebrate, and fishery response to stream improvement efforts in the Thomas Fork Bear River drainage, Wyoming. In J. G. Miller, J. A. Arway, and R. F. Carline, eds. Proceedings of the fifth trout stream habitat improvement workshop, Loch Haven, Pennsylvania. Pp. 105-116. Harrisburg: Pennsylvania Fish Commission.
- Binns, N. A. 1994. Long-term responses of trout and macrohabitats to habitat management in a Wyoming headwater stream. North American Journal of Fisheries Management 14:87-98.
- Binns, N. A. and F. M. Eiserman. 1979. Quantification of fluvial trout habitat in Wyoming. Transactions of the American Fisheries Society 108:215-228.
- Binns, N. A. and R. Remmick. 1986. Effect of drainage-wide habitat management on Bear River cutthroat trout (Salmo clarki utah) populations and habitat. Proceedings of the Annual Meeting, Colorado-Wyoming Chapter, American Fisheries Society 21:87-97 (Fort Collins, Colorado, Colorado State University).
- Binns, N. Allen and Ronald Remmick. 1994. Response of Bonneville cutthroat trout and their habitat to drainage-wide habitat management at Huff Creek, Wyoming. North American Journal of Fisheries Manaaement 14:669-680.
- Birt, T. P., J. M. Green, and W. S. Davidson. 1991. Mitochondrial DNA variation reveals genetically distinct sympatric populations of anadromous and nonanadromous Atlantic salmon, Salmo salar. Canadian Journal of Fisheries and Aquatic Sciences 48:577-582.
- Bisson, P. A. 1992. Importance of identification of limiting factors in an evaluation program. Proceedings of Fish Habitat Enhancement and Evaluation Workshop. BPA, Portland, Oregon.
- Bisson, P. A., R. E. Bilby, M. D. Bryant and others. 1987. Large woody debris in forested streams in the Pacific Northwest: Past, present, and future. In E. O Salo and T. W. Cundy, eds. Streamside management: Forestry and fishery interactions. Pp. 143-190. Contrib. 57. Seattle, Washington: University of Washington, Institute of Forest Resources.

- Bjornn, T. C. 1957. A survey of the fishery resources of Priest and Upper Priest Lakes and their tributaries. Thesis. Moscow, Idaho: University of Idaho. 175 pp.
- Bjornn, T. C. and J. Mallett. 1964. Movements of planted and wild trout in an Idaho river system. Transactions of the American Fisheries Society 93:70-76.
- Bjorn, T. C., D. R. Craddock, and D. R. Corley. 1968. Migration survival of Redfish Lake, Idaho, sockeye salmon, Oncorhynchus nerka. Transactions of the American Fisheries Society 97:360-373.
- BLM. 1992. Report on the condition of federal lands. U.S. Department of the Interior, Bureau of Land Management.
- Block, D. G. 1955. Trout migration and spawning studies on the North Fork drainage of the Flathead River. Thesis. Bozeman, Montana: Montana State University. 68 pp.
- Bogdanova, E. A. 1960. An endemic disease of salmonids in Sakhalin Island. Doklady Adkademii Nauk SSSR 134:1501-1503.
- Bogdanova, E. A. 1970. On the occurrence of whirling disease of salmonids in nature in USSR. Second International Congress of Parasitology. Abstract #719. September 6-12. Washington, D.C. Journal of Parasitology 56(Section II, Part I):399.
- Bond, C. E. 1992. Notes on the nomenclature and distribution of the bull trout and effects of human activity on the species. In P. J. Howell and D. V. Buchanan, eds. Pp. 1-4. Proceedings of the Gearhart Mountain bull trout workshop, August 1992, Gearhart Mountain, Oregon. Corvallis, Oregon: Oregon Chapter of the American Fisheries Society.
- Bosworth, Dale N. 1996, November 4. Memorandum.
- Bosworth, Dale N. 1996, November 13. Memorandum.
- BOUSSU, M. F. 1954. Relationship between trout populations and cover on a small stream. Journal of Wildlife Management 18:229-239.
- Bowlby, J. N. and J. C. Roff. 1986. Trout biomass and habitat relationships in southern Ontario streams. Transactions of the American Fisheries Society 115:503-514.

- Bowles, E. C., B. E. Rieman, G. R. Mauser, and D. H. Bennett. 1991. Effects of introductions of Mysis relicta on fisheries in northern Idaho. American Fisheries Society Symposium 9:65-74.
- Bozek, M. A. and F. J. Rahel. 1991. Assessing habitat requirements of young Colorado River cutthroat trout by use of macrohabitat and microhabitat analyses. Transactions of the American Fisheries Society 120:571-581.
- Brannon, E. L. 1967. Genetic control of migrating behavior of newly emerged sockeye salmon fry. PAC. Salmon Fish. Comm. Rep. 16.
- British Columbia Ministry of Forests, British Columbia Ministry of the Environment, Federal Department of Fisheries and Oceans, and Council of Forest Industries. 1988. Coastal fisheries--forestry guide-lines. 2nd ed.
- Broecker, W. S. and A. Kaufman. 1965. Radio carbon chronology of Lake Lahontan and Lake Bonneville, II, Great Basin. Bull. Geol. Soc. Amer. 76:537-566.
- Brooks, G. R. 1989. The southwest expedition of Jedediah S. Smith, 1826-27. University of Nebraska Press. 259 pp.
- Brown, C. J. D. 1935. A survey of the waters of the Cache National Forest, Utah, Washington, D.C.: U.S. Bureau of Fisheries.
- Brown, L. G. 1992. Draft management guide for the bull trout Salvelinus confluentus (Suckley) on the Wenatchee National Forest. Wenatchee, Washington: Washington Department of Wildlife 75 pp.
- Brownlee, M. J. and D. C. Morrison. 1983. A preliminary examination of the content, application, and administration of the stream protection clauses on Vancouver Island. Canadian Industry Report of Fisheries and Aquatic Sciences 143:31-73.
- Bryant, M. D. 1983. The role and management of woody debris in West Coast salmonid nursery streams. North American Journal of Fisheries Management. 3:322-330.
- Buchanan, D. V., J. L. Fryer, and J. L. Zinn. 1982. Relative susceptibility of four stocks of summer steelhead to infections of ceratomyxosis and bacterial diseases found in the Willamette River.

- Buckman, R. C., W. E. Hosford, and P. A. Dupee. 1992. Malheur River bull trout investigations. In P. J. Howell and D. V. Buchanan, eds. Pp. 45-57. Proceedings of the Gearhart Mountain bull trout workshop, August 1992, Gearhart Mountain, Oregon. Corvallis, Oregon: Oregon Chapter of the American Fisheries Society.
- Busby, F. E. 1979. Riparian and stream ecosystems, livestock grazing, and multiple-use management. Pp. 6-12 in Cope, 1979.
- Bustard, D. R. 1984. Queen Charlotte Islands stream rehabilitation studies: A review of potential techniques. Land Management Report 28. Victoria: British Columbia Ministry of Forests.
- Cairns, M. A. and R. T. Lackey. 1992. Biodiversity and management of natural resources: The issues. Fisheries 17(3):6-10.
- Campton, D. E. 1987. Natural hybridization and introgression in fishes: Methods of detection and genetic interpretations. In N. Ryman and F. Utter, eds. Pp. 161-192. Population genetics and fishery management. Seattle, Washington: University of Washington Press.
- Camuto, Christopher. 1992, Winter. Stackpole's trout. Trout, pp. 56-60.
- Canada Department of Fisheries and Oceans and British Columbia Ministry of the Environment. 1980. Stream enhancement guide. Vancouver, British Columbia.
- Cardinal, P. J. 1980. Habitat and juvenile salmonid populations in streams in logged and unlogged areas of southeastern Alaska. Thesis. Bozeman, Montana: Montana State University. 114 pp.
- Carl, L. 1985. Management plan for bull trout in Alberta. In D. D. MacDonald, ed. Pp. 71-80. Proceedings of the Flathead River basin bull trout biology and population dynamics modeling information exchange. Cranbrook, British Columbia: British Columbia Ministry of Environment, Fisheries Branch.
- Carl, L. M. and M. C. Healey. 1984. Chinook salmon density, growth, mortality, and movement in two Lake Michigan tributaries. Canadian Journal of Zoology 62:65-71.

- Carlander, K. D. 1969. Handbook of freshwater fishery biology. Vol. 1. Ames, Iowa: Iowa State University Press. 752 pp.
- Cavender, T. M. 1978. Taxonomy and distribution of the bull trout (Salvelinus confluentus) from the American Northwest. California Fish and Game 64(3):139-174.
- Chamberlain, T. W., R. D. Harr, and F. H. Everest. 1991. Timber harvesting, silviculture, and watershed processes. In W. R. Meehan, ed. Influences of forest and rangeland management on salmonid fishes and their habitat. Pp. 181-206. American Fisheries Society Special Publication 19. Bethesda, Maryland: American Fisheries Society.
- Chaney, E., W. Elmore, and W. S. Platts. 1990. Livestock grazing on western riparian areas. Report by the Northwest Resource Information Center, Inc. to the U.S. Environmental Protection Agency, Denver, Colorado.
- Chapman, D. W. 1966. Food and space as regulators of salmonid populations in streams. American Naturalist 100:345-357.
- Chapman, D. W. 1988. Critical review of variables used to define effects of fines in redds of large salmonids. Transactions of the American Fisheries Society 117:1-21.
- Chen, G., R. Brassfield, L. Lefferts, M. Johnson, and D. Scully. 1995, March. Elk Valley grazing allotment monitoring plan, Aquatic Resources Section. 3rd revision. Montpelier Ranger District, Caribou National Forest; National Aquatic Monitoring center, Logan, Utah; and Idaho Game and Fish Department, Pocatello, Idaho.
- Claire, E. W. and R. L. Storch. 1983. Streamside management and livestock grazing in the Blue Mountains of Oregon: A case study. In R. J. Behnke, Impact of livestock grazing on stream fisheries: Problems and solutions. Pp. 111-128. Proceedings of Workshop of Livestock and Wildlife-Fisheries Relationships in the Great Basin. J. W. Menke, ed. Special Publication 3301. Berkeley: University of California Agricultural Sciences.
- Clancy, C. 1992, October. Personal communication of unpublished data. Hamilton, Montana: Montana Department of Fish, Wildlife, and Parks.

- Clark, W. H. 1990. coordinated nonpoint source water quality monitoring program for Idaho. Boise, Idaho: Idaho Department of Health and Welfare, Division of Environmental Quality. 139 pp.
- Cleland, R. G. and J. Brooks, eds. 1983. A Mormon chronicle: The diary of John D. Lee, 1846-1876. Vols. 1 and 2. Salt Lake City, Utah: University of Utah Press.
- Clemmer, Glenn, Nevada Natural Heritage Program. 1997, October 3. Letter to D. C. Carlton.
- Clifton, C. 1989. Effects of vegetation and land use on channel morphology. In R. E. Gresswell, B. A. Barton, and J. L. Kershner, eds. Practical approaches to riparian resource management. Pp. 121-129. Billings, Montana: Bureau of Land Management.
- Coats, R. N. and T. O Miller. 1981. Cumulative silvicultural impacts on watersheds: A hydrologic and regulatory dilemma. Environmental Management 5:147-160.
- Coffin, P. D. 1982. Lahontan Cutthroat Trout Fishery Management Plan for the Humboldt River Basin. Nevada Department of Wildlife. 33 pp.
- Coffin, P. D. 1988. Nevada's native salmonid program: Status, distribution and management. Nevada State Report.
- Colorado Wildlife Council. 1988. Whirling disease management in North America, an emergency conference. Denver, Colorado, April 12-14, 1988. Fish Disease Subcommittee Colorado River Wildlife Council. 21 pp.
- Conder, A. L. and N. A. Binns. 1986. Reservoir impact analysis using habitat units for trout streams. Proceedings of the Annual Meeting, Colorado-Wyoming Chapter, American Fisheries Society 21:57-63 (Colorado State University, Fort Collins).
- Congressional Research Service. 1990. The major federal land management agencies: Management of our nation's land and resources. Congress of the United States, Office of Technology Assessment.
- Conley, J. M. 1993. Bull trout management plan. Boise, Idaho: Idaho Department of Fish and Game. 11 pp.
- Conservation Agreement [Idaho]. N.d. Bonneville cutthroat trout.

- Contos, N. and H. Rothenbacher. 1974. An efficient concentration and purification method for spores of Myxosoma cerebralis. The Progressive Fish-Culturist 36:101-103.
- Cope, O. B. 1955. The future of the cutthroat trout in Utah. Proceedings of the Utah Academy of Sciences, Arts, and Letters 32:89-93.
- Corbett, D. M. 1962. Stream-gaging procedure. Water Supply Paper 888. U.S. Geological Survey.
- Cottam, W. P. 1947. Is Utah Sahara bound? Bull. Univ. Utah, 37(11). Salt Lake City, Utah.
- Cowley, P. 1994. Fish surveys of the Caribou National Forest. Admin. report, U.S. Forest Service, Salt Lake City, Utah.
- Cowley, Paul K. 1994, November 15: Fish surveys of the Caribou National Forest.
- Cowley, Paul K. 1995, January 10. Fish surveys on the Wasatch-Cache National Forest.
- Cowley, Paul K. 1995, December 5. Fish Surveys on the Kemmerer Ranger District, Bridger-Teton National Forest.
- Cowley, Paul K. 1996, January 22. Fish surveys on the Uinta and Wasatch-Cache National Forests, 1995.
- Cowley, Paul K. 1997, January 10. Fish surveys on the Uinta and Wasatch-Cache National Forest conducted during 1996.
- Cross, D. 1993. Aquatic ecosystem strategy. Coeur d'Alene, Idaho: U.S. Department of Agriculture, Forest Service, Idaho Panhandle National Forest. 14 pp.
- Cummins, A. B. and I. A. Given. 1973. SME mining engineering handbook, vol. 1. New York: Society of Mining Engineers of American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc.
- Cunjack, R. A. and G. Power. 1986. Winter habitat utilization by stream resident brook trout (Salvelinus fontinalis) and brown trout (Salmo trutta). Canadian Journal of Fisheries and Aquatic Sciences 43:1970-1981.

- Dambacher, J. M., M. W. Buktenica, and G. L. Larson. 1992. Distribution, abundance, and habitat utilization of bull trout and brook trout in Sun Creek, Crater Lake National Park. In P. J. Howell and D. V. Buchanan, eds. Proceedings of the Gearhart Mountain bull trout workshop, August 1992, Gearhart Mountain, Oregon. Pp. 30-36. Corvallis, Oregon: Oregon Chapter of the American Fisheries Society.
- Daniels, S. B., R. L. Herman, and C. N. Burke. 1976. Fine structure of an unidentified protozoan in the epithelium of rainbow trout exposed to water with Myxosoma cerebralis. Journal of Protozoology 23(3):402-410.
- Dawson, C. C. and R. A. Hellenthal. 1986. A computerized system for the evaluation of aquatics based on environmental requirements and pollution tolerance associations of resident organisms.
- Dennis, B., P. L. Munholland, and J. M. Scott. 1991. Estimation of growth and extinction parameters for endangered species. Ecological Monographs 6:115-143.
- Department of the Interior (DOI). 1987. Instruction memorandum (88-31) BLM planning: A guide to resource management planning on the public lands.
- Deseret Evening News (Salt Lake City, Utah). 1883, April 18. Rainbow trout from McCloud River, California.
- Division of Ecological Services (DES). 1980. Habitat evaluation procedure. Washington, D.C. 26 pp.
- Doak, D. F., P. C. Marino, and P. M. Kareiva. 1992. Spatial scale mediates the influence of habitat fragmentation on dispersal success: Implications for conservation. Theoretical Population Biology 4:315-336.
- Dodge, F. H. and D. R. Cain. 1970. Research and management on an undescribed cutthroat trout in eastern Nevada. Nevada Dept. of Fish and Game, Prog. Rept. No. F-20-R. 13 pp.
- Dolloff, C. A. 1986. Effects of stream cleaning on juvenile coco salmon and Dolly Varden in southeast Alaska. Transactions of the American Fisheries Society 115:743-755.

Biodiversity Legal Foundation 98

- Donald, D. B. and D. J. Alger. 1992. Geographic distribution, species displacement, and niche overlap for lake trout and bull trout in mountain lakes. Canadian Journal of Zoology 71:238-247.
- Dremann, Paul F., Trout Unlimited. 1997, May 14. Letter to Charles Thompson, Utah Division of Wildlife Resources.
- Druse, S. A., W. R. Glass, D. A. Peterson, and M. L. Smalley. 1990. Water resource data--Wyoming--water year 1990. Water Data Report WY-90-1. Cheyenne, Wyoming: U.S. Geological Survey.
- Duckwall, G. E. 1995. Whirling disease (Myxobolus cerebralis) in Virginia. Virginia Department of Game and Inland Fisheries. 7 pp.
- Duff, D. A. 1977. Status of Bonneville cutthroat trout. Report to Desert Fishes Council, Death Valley, California.
- Duff, D. A. 1979. Riparian habitat recovery on Big Creek, Rich County, Utah--Summary of 8 years of study. In O. B. Cope, ed., Grazing and riparian/stream ecosystems: Forum proceedings. Pp. 91-92. Vienna, Virginia: Trout Unlimited.
- Duff, D. A. 1983. Livestock grazing impacts on aquatic habitat in Big Creek, Utah. Pp. 129-142 in Menke, 1983.
- Duff, D. A. 1988. Bonneville cutthroat trout: Current status and management. American Fisheries Society Symposium 4:121-127.
- Duff, D. A. 1995. Fish stocking in U.S. federal wilderness areas: Challenges and opportunities. Intnatl. Jour. Wild. 1:17-19.
- Duff, D. A. 1997, January 30. Letter to D. C. Carlton.
- Duff, D. A. 1997, May 27. Letter to Yvette Converse.
- Duff, D. A. 1997, May 21. Memorandum. Draft notes from Western Bonneville cutthroat meeting.
- Duff, D. A., R. Gervais, and B. May. 1974. Birch Creek interagency stream habitat survey, Utah cutthroat trout. Rept. to U.S. BLM and Fishlake National Forest. 15 pp.

- Duff, Don. 1996, June. Bonneville cutthroat trout Onchorhynchus clarki utah. In Donald A. Duff, tech. ed. Conservation assessment for inland cutthroat trout. Distribution, status and habitat management implications. Pp. 35-73. Ogden, Utah: U.S. Department of Agriculture, Forest Service.
- Duff, Don. 1997, June 10. Letter to Jasper Carlton.
- Duffield, D. 1990. Management plan and status report: Native cutthroat trout of the Dixie National Forest. Dixie National Forest, Cedar City, Utah. 19 pp.
- Dufour, J. A. 1992. Biological evaluation for the Woodruff cattle allotment. U.S. Forest Service, Ogden, Utah.
- Edwards, R. and D. Burns. 1986. Relationships among fish habitat embeddedness, geomorphology, land disturbing activities, and the Payette National Forest sediment model. McCall Idaho: U.S. Department of Agriculture, Forest Service, Payette National Forest. 6 pp.
- Elliot, S. T. 1986. Reduction of a Dolly Varden population and macrobenthos after removal of logging debris. Transactions of the American Fisheries Society 115:392-400.
- El-Matbouli, M. and R. W. Hoffman. 1989. Experimental transmission of two Myxobolus spp. developing bisporogeny via tubificid worms. Parasitology Research 75:461-464.
- El-Matbouli, M. and R. W. Hoffman. 1991. Effects of freezing, aging, and passage through the alimentary canal of predatory animals on the viability of Mvxobolus cerebralis spores. Journal of Aquatic Animal Health 3:260-262.
- El-Matbouli, M. and R. W. Hoffman. 1991. Prevention of experimentally induced whirling disease in trainbow trout Onchorhynchus mvkiss by Fumagillin. Diseases of Aquatic Organisms 10:109-113.
- El-Matbouli, M. and R. W. Hoffmann. 1995. Light and electron microscopic observations on the route of the triactinomyxon-sporoplasm of the Mvxosoma cerebralis from epidermis into rainbow trout cartilage. Journal of Fish Biology 46:919-935.

- Elmore, W. and R. L. Beschta. 1987. Riparian areas: Perceptions in management. *Rangelands* 9(6):260-265.
- Elson, K. G. R. 1969. Whirling disease in trout. *Nature* 223:968.
- Elwood, J. W. and T. F. Waters. 1969. Effects of floods on food consumption and production rates of a stream brook trout population. *Transactions of the American Fisheries Society* 98:253-262.
- EPA. 1979. Fish kills caused by pollution: 15 year summary. EPA Technical Report, Washington, D.C.
- EPA. 1983. Water quality standards handbook. Washington, D.C.: EPA.
- EPA. 1989. Pollution prevention policy statement. EPA Office of Management and Policy, Washington, D.C.
- Erman, D. C. 1986. Long-term structure of fish populations in Sagehen Creek, California. *Transactions of the American Fisheries Society* 115:682-692.
- Evans, R. Paul and Dennis K. Shiozawa. 1996, September 9. The genetic status of cutthroat trout from four streams in the Spanish Fork Ranger District, Utah based on examination of mitochondrial DNA. Prepared for Spanish Fork District, U.S. Forest Service, Uinta National Forest. Department of Zoology, Brigham Young University, Provo, Utah.
- Everest, F. H., G. H. Reeves, and J. R. Sedell. 1986. Salmonid habitat: New beginnings through enhancement, but not without uncertainty, risk, and failure. In D. B. Guthrie, ed. Wild trout, steelhead and salmon in the 21st century. Proceedings of a conference, Portland, Oregon, July 19, 1986. Oregon Sea Grant Publication ORESU-W-86-002. Corvallis, Oregon: Oregon State University.
- Everest, F. H., R. L. Beschta, J. S. Scrivener, K. V. Koski, J. R. Sedell, and C. J. Cederholm. 1987. Fine sediment and salmonid production: A paradox. In E. O. Salo and T. W. Cundy, eds. *Streamside management: Forestry and fishery interactions*. Pp. 98-142. Contrib. 57. Seattle, Washington: University of Washington, Institute of Forest Resources.

- Fahrig, L. 1990. Simulation methods for developing general landscape-level hypotheses of single-species dynamics. In M. G. Turner and R. H. Gardner, eds. Quantitative methods in landscape ecology: The analysis and interpretation of landscape heterogeneity. Ecological Studies. New York: Springer-Verlag 82:438-442..
- Falconer, D. S. 1960. Introduction to quantitative genetics. New York: The Ronald Press. 365 pp.
- Fallau, S. S. 1992. Biological evaluation of the Montpelier-Elk Valley cattle allotment. U.S. Forest Service, Montpelier, Idaho.
- Fausch, K. D. 1988. Tests of competition between native and introduced salmonids in streams: What have we learned? Canadian Journal of Fisheries and Aquatic Sciences 45:2238-2246.
- Fausch, K. D. 1989. Do gradient and-temperature affect distributions of, and interactions between, brook charr (Savelinus fontinalis) and other resident salmonids in streams? Physiology and Ecology Japan 1(special volume):303-322.
- Fausch, K. D., C. L. Hawkes, and M. G. Parsons. 1988. Models that predict standing crop of stream fish from habitat variables: 1950-85. U.S. Forest Service General Technical Report PNW-213. Portland, Oregon: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 52 pp.
- FEMAT. 1993. Report of the Forest Ecosystem Management Assessment Team. Forest ecosystem management: An ecological, economic, and social assessment.
- Ferson, S. and H. R. Akcakaya. 1991. Modeling fluctuations in age-structured populations, RAMAS/age user manual. Setauket, New York: Exeter Software. 146 pp.
- Findley, R. W. and D. A. Farber. 1983. Environmental Law. St. Paul, Minnesota: West Publishing Company. 355 pp.
- Fleisher, Vernon R. 1996, October 10. Letter to Clair C. Beasley.
- Foote, C. J. and P. J. Larkin. 1988. The role of male choice in the assortative mating of anadromous and non-anadromous sockeye salmon (Oncorhynchus nerka). Behavior 106:43-62.

- Foote, C. J., C. C. Wood, and R. E. Withler. 1989. Biochemical genetic comparison of sockeye salmon and kokanee, the anadromous and nonanadromous forms of Oncorhynchus nerka. Canadian Journal of Fisheries and Aquatic Sciences 46:149-158.
- Foote, C. J., C. C. Wood, W. C. Clarke, and J. Blackburn. 1992. Circannual cycle of seawater adaptability in Oncorhynchus nerka: genetic differences between sympatric sockeye salmon and kokanee. Canadian Journal of Fisheries and Aquatic Sciences 49:99-109.
- Forest Ecosystem Management Assessment Team. 1993. Forest ecosystem management: An ecological, economic, and social assessment (FEMAT Report). Portland, Oregon: U.S. Department of Agriculture, Forest Service.
- Fraley, J. J. and P. J. Graham. 1981. Physical habitat, geological bedrock types and trout densities in tributaries of the Flathead River drainage, Montana. In Acquisition and utilization of aquatic habitat inventory information: Proceedings of the symposium, October 28-40, 1981, Portland, Oregon. Pp. 178-185.
- Fraley, J. J. and B. B. Shepard. 1989. Life history, ecology and population status of migratory bull trout (Salvelinus confluentus) in the Flathead Lake river system, Montana. Northwest Science 63(4):133-143.
- Francis, R. C. 1986. Two fisheries biology problems in west coast groundfish management. North American Journal of Fisheries Management 6:453-462.
- Franklin, I. E. 1980. Evolutionary change in small populations. In M. E. Soulé and B. A. Wilcox, eds. Conservation biology: An evolutionary-ecological perspective. Pp. 135-150. Sunderland, Massachusetts: Sinauer Associates.
- Frissell, C. A. 1993. A new strategy for watershed restoration and recovery of Pacific salmon in the Pacific Northwest. Eugene, Oregon: The Pacific Rivers Council. 33 pp.
- Frissell, C. A. and R. K. Nawa. 1992. Incidence and causes of physical failure of artificial fish habitat structures in streams of western Oregon and Washington. North American Journal of Fisheries Management 12:182-197.

- Frissell, C. A., W. J. Liss, and D. Bayles. In preparation. An integrated, biophysical strategy for ecological restoration of large watersheds. In Changing roles in water resources management and Policy: Proceedings of the symposium, June 27-30, 1993. Seattle, Washington: American Water Resources Association.
- Frissell, C. A., W. J. Liss, C. E. Warren, and M. C. Hurley. 1986. A hierarchical framework for stream habitat classification: Viewing streams in a watershed context. *Environmental Management* 10:199-213.
- Furniss, M. J., T. D. Roelofs, and C. S. Yee. 1991. Road construction and maintenance. American Fisheries Society, Special Publication 19, pp. 297-323.
- Garden, O. 1992. The Myxosporea of fish: A review. *British Veterinary Journal* 148:223-239.
- Gauvin, Charles F. 1997, Summer. "In Search of the Sincerity Factor." Trout, p. 5
- Gianakos, Laura, WNDD. 1997, June 17. Letter to D. C. Carlton.
- Gifford, G. F. and Hawkins, R. H. 1976. Grazing systems and watershed management: A look at the record. *Journal of Soil and Water Conservation* 31:281-283.
- Gilpin, M. E. 1987. Spatial structure and population for conservation. In M. Soulé, ed. *Viable populations for conservation*. Pp. 125-139. New York: Cambridge University Press.
- Gilpin, M. E. and M. E. Soule. 1986. Minimum viable populations: Processes of species extinction. In M. Soule, ed. *Conservation biology: The science of scarcity and diversity*. Pp. 13-34. Sunderland, Massachusetts: Sinauer Assoc. Inc.
- Ginzburg, L. R., S. Ferson, and H. R. Akcakaya. 1990. Reconstructibility of density dependence and the conservative assessment of extinction risks. *Conservation Biology* 4(1):63-70.

- Goede, R. 1996. Known distribution of Myxobolus cerebralis in feral and hatchery fishes in Utah, Wyoming, and New Mexico. In E. P. Bergersen and B. A. Knopf, eds. Proceedings: Whirling disease workshop: Where do we go from here? Pp. 37-39. Colorado Cooperative Fish and Wildlife Research Unit, Fort Collins, Colorado. .
- Goede, R. W. 1986. Management considerations in stocking of diseased or carrier fish. In R. Stoud II, ed. Fish culture in fisheries management. American Fisheries Society. Pp. 349-355.
- Goetz, F. 1989. Biology of the bull trout, Salvelinus confluentus, a literature review. Eugene, Oregon: U.S. Department of Agriculture, Forest Service, Willamette National Forest. 53 pp.
- Goetz, F. 1989. Biology of the bull trout, Salvelinus confluentus, a literature review. Eugene, Oregon: U.S. Department of Agriculture, Forest Service, Willamette National Forest. 53 pp.
- Goetz, F. 1991. Bull trout: Life history and habitat study. Thesis. Corvallis, Oregon: Oregon State University. 49 pp.
- Goetz, F. 1991. Bull trout life history and habitat study. Thesis. Corvallis, Oregon: Oregon State University. 49 pp.
- Goklany. 1992. America's biodiversity strategy: Actions to conserve species and habitats. Washington, D.C.: U.S. Dept. of the Interior; U.S. Department of Agriculture.
- Goldfarb, W. 1984. Water law. St. Paul, Minnesota: Westworth Publishing Co. 459 pp.
- Government Accounting Office (GAO). 1988. Superfund: Missed statutory deadlines slow progress in environmental programs. Report to Congress.
- Government Accounting Office (GAO). 1989. Water pollution--more EPA action needed to improve the quality of heavily polluted waters. Report to Congress.

- Graham, P. J., B. B. Shepard, and J. J. Fraley. 1981. Use of stream habitat classifications to identify bull trout spawning areas in streams. In Acquisition and utilization of habitat inventory information: Proceedings of the symposium, October 28-30, Portland, Oregon. Pp. 186-190. Portland, Oregon: American Fisheries Society, Western Division.
- Grant, G. E. and F. Swanson. 1991. Cumulative effects of forest practices. Forest Perspectives 1(4):9-11.
- Greater Yellowstone Coalition. N.d. Bailey Creek timber sale. Appeal #96-0400-0066.
- Greater Yellowstone Coalition. 1996, September 25. Appeal to the Regional Forester USDA Forest Service Region 4 from a decision of the Caribou National Forest Supervisor.
- Gregory, S. V., F. J. Swanson, W. A. McKee, and K. W. Cummins. 1991. An ecosystem perspective of riparian zones. Bioscience 41:540-551.
- Gresswell, R. E. 1988. Status and management of interior stocks of cutthroat trout. American Fisheries Society Symposium 4.
- Gresswell, R. E. and J. D. Varley. 1988. Effects of a century of human influence on the cutthroat trout of Yellowstone Lake. American Fisheries Society Symposium 4:45-52.
- Griffin, B. R. and E. M. Davis. 1978. Myxosoma cerebralis: Detection of circulating antibodies in infected rainbow trout (Salmo gairdneri). Journal of the Fisheries Research Board of Canada 35:1186-1190.
- Griffith, J. S. 1988. Review of competition between cutthroat trout and other salmonids. American Fisheries Society Symposium 4:134-140.
- Gross, M. R. 1991. Salmon breeding behavior and life history evolution in changing environments. Ecology 72(4):1180-1186.
- Haas, G. R. and J. D. McPhail. 1991. Systematics and distribution of Dolly Varden (Salvelinus malma) and bull trout (Salvelinus confluentus) in North America. Canadian Journal of Fisheries and Aquatic Sciences 48:2191-2211.

- Hagans, D. K., W. E. Weaver, and M. A. Madej. 1986. Long term and off-site effects of logging and erosion in the Redwood Creek basin, northern California. In Papers presented at the American Geophysical Union Meeting on cumulative effects. Pp. 38-66. Bulletin 490. New York: National Council for Air and Stream Improvement.-
- Halliday, M. M. 1973. Studies of Mvxosoma cerebralis, a parasite of salmonids. I. The diagnosis of the infection. Nordisk Veterinaermedicin. 25:3345-3348.
- Halliday, M. M. 1973. Studies on Mvxosoma cerebralis, a parasite of salmonids. II. The development and pathology of Mvxosoma cerebralis in experimentally infected rainbow trout (Salmo sairdneri) fry reared at different water temperatures. Nordisk Veterinaermedicin 25:349-358.
- Halliday, M. M. 1974. Studies on Mvxosoma cerebralis, a parasite of salmonids. III. Some studies on the epidemiology of Mvxosoma cerebralis in Denmark, Scotland and Ireland. Nordisk Veterinaermedicin 26: 165-172.
- Halliday, M. M. 1974. Studies on Mvxosoma cerebralis, a parasite of salmonids. IV. Preliminary immunofluorescent investigation of the spores of Mvxosoma cerebralis. Nordisk Veterinaermedicin 26:173-179.
- Halliday, M. M. 1976. The biology of Mvxosoma cerebralis: The causative organism of whirling disease of salmonids. Journal of Fish Biology 9:339-357.
- Hamilton, A. J. and E. U. Canning. 1988. The production of mouse anti-Mvxosoma cerebralis antiserum from Percoll-purified spores and its use in immunofluorescent labelling of Historesin-embedded cartilage derived from infected rainbow trout, Salmo aairdneri Richardson. Journal of Fish Diseases 11:185-190.
- Hamilton, A. J. and E. U. Canning. 1987. Studies on the proposed role of Tubifex tubifex (Muller) was an intermediate host in the life cycle of Mvxosoma cerebralis (Hofer, 1903). Journal of Fish Diseases 10:145-151.
- Hankin, D. C. and G. H. Reeves. 1988. Estimating total fish abundance and total habitat area in small streams based on visual estimation methods. Can. J. Fish Aquat. Sci. 45:833-845.

- Hanski, I. 1991. Single species metapopulation dynamics: Concepts, models, and observations. *Biological Journal of the Linnean Society* 42:17-38.
- Hanski, I. and M. Gilpin. 1991. Metapopulation dynamics: Brief history and conceptual domain. *Biological Journal of the Linnean Society* 42:3-16.
- Harr, R. D. 1981. Scheduling timber harvest to protect watershed values. In D. M. Bumgartner, ed. *Proceedings Interior West Watershed Management Symposium*. Pp. 269-280. Pullman: Washington State University.
- Harrison, S. and J. F. Quinn. 1989. Correlated environments and the persistence of metapopulations. *Oikos* 56:293-298.
- Haskins, Richard L. 1987, May. Bonneville Cutthroat Trout Species Management Plan. Reno, Nevada: Department of Wildlife.
- Haskins, R. L. 1993. Current status of Bonneville cutthroat trout in Nevada. Reno, Nevada: Nevada Department of Wildlife.
- Hastein, T. 1971. The occurrence of whirling disease (Myxosomiasis) in Norway. *Acta Veterinaria Scandinavica* 12:297-299.
- Hastings, L. W. 1845. The emigrants' guide to Oregon and California. Bedford, Massachusetts: Applewood Books. 152 pp.
- Hausle, D. A. and D. W. Coble. 1976. Influence of sand in redds on survival and emergence of brook trout. *Transactions of the American Fisheries Society* 105:57-63.
- Havalka, J. and F. Wolf. 1970. Whirling disease of salmonids caused by Myxosoma cerebralis in Czechoslovakia. Second International Congress of Parasitology. Abstract #253, September 6-12, Washington, D.C. *Journal of Parasitology* 56(Section II, Part I):137-138.
- Heady, H. F. 1975. Rangeland management. New York: McGraw-Hill.
- Heckman, R. A. 1993. Whirling disease, *Myxosoma cerebralis*, in Utah salmonids. Annual Meeting of the Rocky Mountain Conference of Parasitologists. Abstract #9. May 20-22, Bozeman, Montana.

- Heckman, R. 1994. Politics and fish parasites: The Utah story. Annual Meeting of the Rocky Mountain Conference of Parasitologists. Abstract X7, May 19-21, Colorado Springs, Colorado.
- Hedrick, R. P. 1990. Statewide fish disease: Whirling disease among salmonid fish in California. Final report. Federal Aid in Sport Fish Restoration Grant F-51-R
- Hedrick, R. P., A Wishkovsky, J. C. Modin, and R. J. Toth. 1991. Three Myxosporeans found in the cranial and brachial tissues of rainbow trout in California. Journal of Aquatic Animal Health 3:55-62.
- Heede, B. H. and J. N. Rinne. 1990. Hydrodynamic and fluvial morphologic processes: Implications for fisheries management and research. North American Journal of Fisheries Management 10:249-268.
- Heggenes, J., T. G. Northcote, and A. Peter. 1991. Seasonal habitat selection and preferences by cutthroat trout (Oncorhynchus clarki) in a small coastal stream. Can. J. Fish Aquat. Sci. 48:1364-1370.
- Heifetz, J., M. L. Murphy, and K. V. Koski. 1986. Effects of logging on winter habitat of juvenile salmonids in Alaska streams. North American Journal of Fisheries Management 6:52-58.
- Henderson, M. A. and T. G. Northcote. 1985. Visual prey detection and foraging in sympatric cutthroat trout (Salmo clarki clarki) and Dolly Varden (Salvelinus malma). Canadian Journal of Fisheries and Aquatic Sciences 42(4):785-790.
- Henderson, M. A. and T. G. Northcote. 1988. Retinal structure of sympatric and allopatric populations of cutthroat trout (Salmo clarki clarki) and Dolly Varden char (Salvelinus malma) in relation to their spatial distribution. Canadian Journal of Fisheries and Aquatic Sciences 45(7):1321-1326.
- Hibbert, A. R. 1976. Percolation and streamflows in range and forest lands. In H. F. Heady, D. J. Falkenborg, and J. P. Riley, eds. Proceedings, 5th workshop on watershed management on range and forest lands. Pp. 61-72. United States-Australian Rangelands Panel. Logan: Utah State University, Utah Research Laboratory.

- Hickman, T. J. 1977. Status of Bonneville cutthroat trout Salmo clarki utah. Department of Fisheries and Wildlife. Ft. Collins, Colorado: Colorado State University.
- Hickman, T. J. 1977. Studies on relict populations of Snake Valley cutthroat trout in western Utah 1976. Report prepared for U.S. Bureau of Land Management, Utah State Office. Fort Collins, Colorado: Colorado State University. 41 pp.
- Hickman, T. J. 1978. Status of Bonneville cutthroat trout, Salmo clarki utah. Ft. Collins, Colorado: Colorado State University, Dept. of Fish and Wildlife Bio. 12 pp.
- Hickman, T. J. 1978. Systematic Study of the native trout of the Bonneville Basin. Masters thesis. Colorado State University. 122 pp.
- Hickman, T. J. and R. J. Behnke. 1978. Probable discovery of original Pyramid Lake cutthroat trout. Paper to Desert Fishes Council, Death Valley, California.
- Hickman, T. J. and D. A. Duff. 1978. Current status of cutthroat trout sub-species in the western Bonneville Basin. Great Basin Naturalist 38(2):193-202.
- Hickman, T., and R. F. Raleigh. 1982. Habitat suitability index models: Cutthroat trout. U.S.D.I., Fish and Wildlife Service. FWS/OBS-82/10.5. 38 pp.
- Hicks, B. J., R. L. Beschta, and R. D. Harr. 1991. Long-term changes in streamflow following logging in western Oregon and associated fisheries implications. Water Resources Bulletin 27, pp. 217-226.
- Hicks, B. J., J. D. Hall, P. A. Bisson, and J. R. Sedell. 1991. Responses of salmonids to habitat changes. In W. R. Meehan, ed. Pp. 483-518. Special Publication 19. Bethesda, Maryland: American Fisheries Society.
- Hnath, J. G. 1970. Whirling disease in the state of Michigan. Second International Conference of Parasitology. Abstract #273, September 6-12, Washington, D.C. Journal of Parasitology 56(Section II, Part 1):149-150.

- Hnath, J. G. 1988. Whirling disease in Michigan: A historical perspective. Prepared for Whirling Disease Management in North America, an Emergency Conference. Denver, Colorado, April 12-14, 1988.
- Hobbs, R. J. and L. F. Huenneke. 1992. Disturbance, diversity, and invasion: Implications for conservation. *Conservation Biology* 6(3):324-337.
- Hoelscher, B. and T. C. Bjornn. 1989. Habitat, densities and potential production of trout and char in Pend Oreille Lake tributaries. Job Compl. Rep., Proj. F-71-R-10, Subproj. III, Job 8. Boise, Idaho: Idaho Department of Fish and Game. 60 pp.
- Hoffman, G. L. 1962. Whirling disease of trout. United States Department of the Interior, Fish and Wildlife Services. Fishery Leaflet 508. 3 pp.
- Hoffman, G. L. 1966. Effects of whirling disease. *The Progressive Fish-Culturist* 28:151.
- Hoffman, G. L. 1970. Intercontinental and transcontinental dissemination and transfaunation of fish parasites with emphasis on whirling disease (Mvxsoma cerebralis). In S. F. Snieszko, ed. Symposium on diseases of fisheries and shellfishes. American Fisheries Society. pp. 69-81.
- Hoffman, G. L. 1974. Disinfection of contaminated water by ultraviolet irradiation with emphasis on whirling disease (Mvxsoma cerebralis) and its effect on fish. *Transactions of the American Fisheries Society* 103:541-550.
- Hoffman, G. L. 1975. Whirling disease (Mvxsoma cerebralis): Control with ultraviolet irradiation and effect on fish. *Journal of Wildlife Diseases* 11:505-507.
- Hoffman, G. L. 1990. Mvxsoma cerebralis, a worldwide cause of salmonid whirling disease. *Journal of Aquatic Animal Health* 2:30-37.
- Hoffman, G. L. and C. J. Byrne. 1974. Fish age as related to susceptibility to Mvxsoma cerebralis, cause of whirling disease. *The Progressive Fish-Culturist* 36:151.

- Hoffman, G. L. and C. E. Dunbar. 1961. Studies on Myxosoma cerebralis (Hofer) Plehn (Protozoa: Myxosporidea) the cause of whirling disease of trout. Annual Meeting of the American Society of Parasitologists. Abstract #53, August 27-31, Lafayette, Indiana. Journal of Parasitology 47(3, Section II):29.
- Hoffman, G. L. Sr. and G. L. Hoffman Jr. 1972. Studies on the control of whirling disease (Myxosoma cerebralis). 1. The effects of chemicals on spores in vitro and of calcium oxide as a disinfectant in simulated ponds. Journal of Wildlife Diseases 8:49-53.
- Hoffman, G. L. and M. E. Markiw. 1977. Control of whirling disease (Myxosoma cerebralis): Use of methylene blue staining as a possible indicator of effect on heart of spores. Journal of Fish Biology 10:181-183.
- Hoffman, G. L. and R. E. Putz. 1969. Host susceptibility and the effects of aging, freezing, heat, and chemicals on spores of Myxosoma cerebralis. The Progressive Fish-Culturist 31:35-37.
- Hoffman, G. L. and R. E. Putz. 1971. Effect of freezing and aging on the spores of Myxosoma cerebralis, the causative agent of salmonid whirling disease. The Progressive Fish-Culturist 33:95-98.
- Hoffman, G. L. and R. E. Putz. 1970. Problems of research on Myxosoma cerebralis. Second International Congress of Parasitology. Abstract #278, September 6-12, Washington, D.C. Journal of Parasitology 56(Section II, Part I):152.
- Hoffman, G. L., C. E. Dunbar, and A. Bradford. 1962. Whirling disease of trouts caused by Myxosoma cerebralis in the United States. United States Fish and Wildlife Service, Special Scientific Report--Fisheries. No. 427. 14 pp.
- Hogle, J. S. 1993. Salmonid habitat and population characteristics related to structural improvement in Wyoming streams. Master's thesis. Laramie: University of Wyoming.
- Hokanson, K. E. F., J. H. McCormick, B. R. Jones, and J. H. Tucker. 1973. Thermal requirements for maturation, spawning, and embryo survival of the brook trout, Salvelinus fontinalis. Journal of the Fisheries Research Board of Canada 30:975-984.

- Holechek, J. L. 1983. considerations concerning grazing systems. *Rangelands* 5:208-211.
- Hormay, A. L. 1970. Principles of rest-rotation grazing and multiple-use land management. U.S. Forest Service Training Text 4 (2200). Washington, D.C.
- Horowitz, R. J. 1978. Temporal variability patterns and the distributional patterns of stream fishes. *Ecological Monographs* 48:307-321.
- Horsch, C. M. 1987. A case history of whirling disease in a drainage system: Battle Creek drainage of the upper Sacramento River Basin, California, U.S.A. *Journal of Fish Diseases* 10:453-460.
- Howell, P. J. and D. B. Buchanan, eds. 1992. Proceedings of the Gearhart Mountain bull trout workshop, August 1992, Gearhart Mountain, Oregon. Corvallis, Oregon: Oregon Chapter of the American Fisheries Society. 67 pp.
- Hoyt, Marv. 1996, September 25. Letter to Dale Bosworth.
- Hubbs, C. L. and R. R. Miller. 1948. The zoological evidence in the Great Basin with emphasis on glacial and post-glacial times. *Ull. University of Utah* 38(20):18-166.
- Hughes, R. M. and R. F. Noss. 1992. Biological diversity and biological integrity: Current concerns for lakes and streams. Pp. 11-19.
- Humboldt National Forest Plan. N.d. Xeroxed portions.
- Hume, J. M. B. and T. G. Northcote. 1985. Initial changes in use of space and food by experimentally segregated populations of Dolly Varden (Salvelinus malma) and cutthroat trout (Salmo clarki). *Canadian Journal of Fisheries and Aquatic Sciences* 42:101-109.
- Hunt, C. B., H. Varnes, and H. Thomas. 1953. Lake Bonneville Geology of Northern Utah Valley, Utah. U.S. Geological Survey Professional Paper. 15 pp.
- Hunt, M. L. Jr. 1991. Coping with ignorance: The coarse filter approach for maintaining of biodiversity. In K. A. Kohn, ed. *Balancing on the brink of extinction*. Pp. 266-281. Covelo, California: Island Press.

- Hunt, R. L. 1976. A long-term evaluation of trout habitat development and its relation to improving management-related research. Transactions of the American Fisheries Society 105:361-364.
- Hunt, R. L. 1988. A compendium of 45 trout stream habitat evaluations in Wisconsin during 1953-85. Technical Bulletin 162. Wisconsin Department of Natural Resources.
- Hynes, H. B. N. 1970. The ecology of running waters. Toronto: University of Toronto Press.
- Hynes, J. D., E. H. Brown, Jr., J. H. Helle, N. Ryman, and D. A. Webster. 1981. Guidelines for the culture of fish stocks for resource management. Canadian Journal of Fisheries and Aquatic Sciences 38:1867-1876.
- Idaho Department of Fish and Game. 1994, November 16. Habitat conservation assessment and strategy Bonneville Cutthroat Trout (Oncorhynchus clarki utah). Pre-decisional draft.
- Irving, J. S. and T. C. Bjornn. 1984. Effects of substrate size composition on survival of kokanee salmon and cutthroat and rainbow trout embryos. Completion report to U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station, Moscow, Idaho.
- Jakober, M. 1992. Influence of stream size and morphology on the seasonal distribution and habitat use of resident bull trout and westslope cutthroat trout in western Montana. Unpublished progress report. U.S. Department of Agriculture, Forest Service, Intermountain Research Station, Boise, Idaho. 7 p.
- Jester, D. B. and H. J. McKirdy. 1966. Evaluation of trout stream improvement in New Mexico. Proceedings of the Annual Conference, Western Association of State Game and Fish Commissioners 46:316-333.
- Johnson, K. T., J. F. Franklin, J. W. Thomas, and J. Gordon. 1991. Alternatives for management of late successional forests of the Pacific Northwest. By the Panel on Late-Successional Forest Ecosystems. A report to the Agriculture Committee and the Merchant Marine and Fisheries Committee of the U.S. House of Representatives.

- Johnson, W. M. 1965. Rotation, rest-rotation and season-long grazing on a mountain range in Wyoming. U.S. Forest Service Research Paper RM-14.
- Johnston, A. 1962. Effects of grazing intensity and cover on the water-intake rate of fescue grassland. Journal of Range Management 15:79-82.
- Jordan, D. S. and B. W. Evermann. 1908. American food and game fishes. New York: N.p.
- Kaeriyama, M. S., S. Urawa, and T. Suzuki. 1992. Anadromous sockeye salmon (Oncorhynchus nerka) in Lake Toro. Scientific Reports Hokkaido Salmon Hatchery 46:157-174.
- Kappesser, G. 1992, November. Personal communication of unpublished data. Coeur d'Alene, Idaho: U.S. Department of Agriculture, Forest Service, Idaho Panhandle National Forest.
- Karr, J. R. 1991. Biological integrity: A long-neglected aspect of water resource management. Ecological Applications 1:66-84.
- Kaufmann, P. R. 1987. Channel morphology and hydraulic characteristics of torrent-impacted forest streams in the Oregon Coast Range, USA. Doctoral dissertation. Corvallis: Oregon State University.
- Kelehar, C. J. and F. J. Rahel. 1992. Potential effect of climatic warming on salmonid distributions in Wyoming. Technical Paper, Abstract. Portland Oregon: American Fisheries Society, Western Division.
- Keller, C. R. and K. P. Burnham. 1982. Riparian fencing, grazing and trout habitat preference on Summit Creek, Idaho. North American Journal of Fisheries Management 2:53-59.
- Kelsey, H. with six coauthors. 1981. Sediment sources and sediment transport in the Redwood Creek basin: A progress report. Technical Report 3. Arcata, California: Redwood National Park Research and Development.
- Kennedy, C. E. 1977. Wildlife conflicts in riparian management: Water. U.S. Forest Service General Technical Report RM-42. Pp. 52-58.

- Kent, M. L., L. Margolis, and J. O. Corliss. 1994. The demise of a class of protists: Taxonomic and nomenclatural revisions proposed for the protist phylum Myxozoa Grasse. 1970. Canadian Journal of Zoology 72:932-937.
- Kent, M. L., D. J. Whitaker, and L. Margolis. 1993. Transmission of Myxobolus arcticus Pugachev and Khoklow, 1979, a myxosporean parasite of Pacific salmon, via a triactinomyxon from the aquatic oligochaete Stylodrilus herinaianus (Lubriculidae). Canadian Journal of Zoology 71:1207-1211.
- Kershner, J. L. 1993. The Bonneville cutthroat trout habitat conservation assessment. Draft. 38 pp.
- Kershner, Jeffrey L. 1995, February. "Bonneville Cutthroat Trout." In M. K. Young, tech. ed. Conservation assessment for inland cutthroat trout. General Technical Report RM-GTR-256. Pp. 28-35. Fort Collins, Colorado: United States Department of Agriculture, Forest Service, Rocky Mountain and Range Experiment Station.
- King, J. G. 1989. Streamflow responses to road building and harvesting: A comparison with the equivalent clearcut area procedure. Res. Pap. INT-301. Ogden, Utah: U.S. Department of Agriculture, Forest Service, Intermountain Research Station. 13 pp.
- Kozel T. R., M. Lott, and R. Taylor. 1980. Isolation of Myxosoma cerebralis (whirling disease) spores from infected fish by use of a physical separation technique. Canadian Journal of Fisheries and Aquatic Sciences 37:1023-1035.
- Kramer, R. 1993, March 17. Personal communication. Missoula, Montana: U.S. Department of Agriculture, Forest Service, Lo10 National Forest.
- Laitos, J. G. and J. P. Tomain. 1992. Energy and natural resources law. St. Paul, Minnesota: West Publishing Company. 554 pp.
- Landolt, M. L. 1973. Myxosoma cerebralis: Isolation and concentration from fish skeletal elements--trypsin digestion method. Journal of the Fisheries Research Board of Canada 30:1713-1716.
- Lande, R. 1988. Genetics and demography in biological conservation. Science 241: 1455-1460.

- Larimore, R. W., W. F. Childers, and C. Heckrotte. 1959.
Destruction and re-establishment of stream fish and
invertebrates affected by -drought. Transactions of the
American Fisheries Society 88:261-285.
- La Rivers, Ira. 1962. Fishes and fisheries of Nevada.
Nevada State Fish and Game Commission. pp. 297-298.
- Leary, R. F., F. W. Allendorf, and S. H. Forbes. 1991.
Conservation genetics of bull trout in the Columbia and
Klamath river drainages. Wild Trout and Salmon Genetics
Lab Rep. Missoula, Montana: University of Montana,
Division of Biological Sciences. 32 pp.
- Leary, R. F., F. W. Allendorff, and S. H. Forbes. 1993.
Conservation genetics of bull trout in the Columbia and
Klamath River drainages. Conservation Biology 7(4):856-
865.
- Leary, R. F., F. W. Allendorf, and K. L. Knudsen. 1983.
Consistently high meristic counts in natural hybrids
between brook trout and bull trout. Systematic Zoology
32:369-376.
- Leary, R. F., F. W. Allendorf, and K. L. Knudsen. 1985.
Developmental instability and high meristic counts in
interspecific hybrids of salmonid fishes. Evolution
39(6):1318-1326.
- Leary, R. F., F. W. Allendorf, S. R. Phelps, and K. L.
Knudsen. 1987. Genetic divergence and identification of
seven cutthroat trout subspecies and rainbow trout.
Transactions of the American Fisheries Society 116:580-
587.
- Leathe, S. A. and M. D. Enk. 1985. Cumulative effects of
microhydrodevelopment on the fisheries of the Swan River
drainage, Montana. Vol. 1: Summary report. Kalispell,
Montana: Montana Department of Fish, Wildlife and Parks.
109 pp.
- Lee, G. F. and R. A. Jones. 1982. An approach to evaluating
the potential significance of chemical contaminants in
aquatic habitat assessment.
- Lehmkuhl, J. F. 1984. Determining size and dispersion of
minimum viable populations for land management planning
and species conservation. Environmental Management 8:167-
176.

- Leigh, E. D. 1981. The average lifetime of a population in a varying environment. *Journal of Theoretical Biology* 90:213-239.
- Lentsch, Leo, Yvette Converse, and Jane Perkins. 1997, March. Conservation Agreement and Strategy for Bonneville Cutthroat Trout (Oncorhynchus clarki utah) in the State of Utah. Publication Number 97-xx. Salt Lake City, Utah: Utah Department of Natural Resources.
- Leopold, A. S. 1975. Ecosystem deterioration under multiple use. In W. King, ed. *Wild trout management*. Pp. 96-98. Vienna, Virginia: Trout Unlimited.
- Leopold, L. B. 1980. The topology of impacts. In R. B. Standiford and S. I. Ramacher, eds. *Cumulative effects of forest management on California watersheds: An assessment of status and need for information*. Proceedings of the Edgebrook Conference, June 1980. Berkeley, California: University of California.
- Leopold, L. B., M. G. Wolman, and J. P. Miller. 1964. *Fluvial process in geomorphology*. San Francisco: W. H. Freeman and Company. 504 pp.
- Lisle, T. E. 1981. Channel recovery from recent large floods in north California: Rates and processes. In R. L. Coats, ed. *Watershed rehabilitation in Redwood National Park and other Pacific coastal areas*. Pp. 153-160. Arcata, California: Center for Natural Resource Studies, National Park Service.
- Lisle, T. E. 1982. Effects of aggradation and degradation on riffle-pool morphology in natural gravel channels, northwestern California. *Water Resources Research* 18(6):1643-1651.
- Lisle, T. E. 1986. Effects of woody debris on anadromous salmonid habitat, Prince of Wales Island, southeast Alaska. *North American Journal of Fisheries Management* 6:538-550.
- Locations of Bonneville cutthroat trout streams. 1996, June. Excerpt from D. Duff, *Habitat conservation assessment for inland cutthroat trout*.
- Lom, J. 1987. Myxospores: A new look at long-known parasites of fish. *Parasitology Today* 3:327-332.

- Lom, J. and G. L. Hoffman. 1970. Redescription of the spores of Myxosoma cerebralis. Second International Congress of Parasitology. Abstract #387, September 6-12, 1970, Washington, D.C. Journal of Parasitology 56(Section II, Part 10):213.
- Lom, J. and G. L. Hoffman. 1971. Morphology of the spores of Myxosoma cerebralis (Hofer, 1903) and M. cartilagineis (Hoffman, Putz, and Dunbar, 1965). Journal of Parasitology 57:1302-1308.
- Lorz, H. V. and A. Amandi. 1994. Whirling disease of salmonids. In J. C. Thoesen, ed. Suggested procedures for the detection and identification of certain finfish and shellfish pathogens. 4th ed. Version 1. Fish Health Section, American Fisheries Society, pp. 1-7.
- Lorz, H. V., A. Amandi, C. R. Banner, and J. S. Rohovec. 1989. Detection of Myxobolus (Myxosoma) cerebralis in salmonid fisheries in Oregon. Journal of Aquatic Animal Health 1:217-221.
- Loudenslager, E. J. 1979. Biochemical and cytogenetic systematics of inland cutthroat trout subspecies. University of Wyoming N.P.S. Research Center. 56 pp.
- Loudenslager, E. J. and G. A. E. Gall. 1980. Biochemical systematics of Nevada trout populations. Davis: University of California. 34 pp.
- Loudenslager, E. J. and G. A. E. Gall. 1980. Cutthroat trout, a biochemical-genetic assessment of their status and systematics. University of California. 79 pp.
- Loudenslager, E. J. and G. A. E. Gall. 1980. Geographic patterns of protein variation and subspeciation in cutthroat trout, Salmo clarki. Systematic Zoology 29:27-42.
- Loudenslager, E. J. and G. A. E. Gall. 1981. Biochemical genetics and systematics of Nevada trout populations. Final report to the Nevada Department of Wildlife. 33 pp.
- Lowham, H. W. 1976. Techniques for estimating flow characteristics of Wyoming streams. Water Resources Investigations 76-112. Cheyenne, Wyoming: U.S. Geological Survey.

- Lucky, Z. 1970. Pathological changes and diagnostics of Myxosomosis of the rainbow trout (Salmo gairdneri irideus). Acta Veterinaria Brno. 39:19-29.
- Lunger, P. D., B. L. Rhoads, K. Wolf, and M. E. Markiw. 1975. Thin-section electron microscopy of mature Myxosoma cerebralis (Myxosporidea) spores. Journal of Parasitology 61:476-480.
- Lusby, G. C., V. H. Reid, and O. D. Knipe. 1971. Effects on grazing on the hydrology and biology of the Badger Wash Basin in western Colorado. 1953-66. U.S. Geological Survey Water Supply Paper 1532-D.
- MacConnell, B. 1995. Pathology associated with M. cerebralis infection in wild young-of-the-year rainbow trout in the Madison River. In E. P. Bergersen and B. A. Knopf, eds. Proceedings: Whirling disease workshop: Where do we go from here? Pp. 160-162. Colorado Cooperative Fish and Wildlife Research Unit.
- MacDonald, D. D. 1985. Proceedings of the Flathead River basin bull trout biology and population dynamics modeling information exchange. Cranbrook, British Columbia: British Columbia Ministry of Environment. 104 pp.
- MacLean, D. G. 1971. A simplified procedure for detecting Myxosoma cerebralis (whirling disease) spores in large lots of fish. The Progressive Fish-Culturist 33:203.
- MacLean, J. A. and D. O. Evans. 1981. The stock concept, discreteness of fish stocks, and fisheries management. Canadian Journal of Fisheries and Aquatic Sciences 38:1889-1898.
- Madsen, P. 1910. The grasshopper famine, the mullet and the trout. Improvement Era 1910. Pp. 16-521.
- Maekawa, K. 1984. Life-history patterns of the miyabe char in Shikaribetsu Lake, Japan. In L. Johnson and B. L. Burns, eds. Biology of the Arctic charr. Proceedings of the international symposium on Arctic charr, May 1981, Winnipeg, Manitoba. Pp. 233-250. Winnipeg, Manitoba: University of Manitoba Press.
- Manzer, D. 1988. Prepared for Whirling Disease Management in North America, an Emergency Conference. Denver, Colorado April 12-14, 1988.

- Marcuson, P. E. 1977. The effect of cattle grazing on brown trout in Rock Creek, Montana. Special Report, Project F-20-R21, 11-A. Helena: Montana Department of Fish and Game.
- Margolis, L., T. E. McDonald, and G. E. Hoskins. 1981. Absence of the protozoan Myxosoma cerebralis (Myxozoa: Myxosopea), the cause of whirling disease in a survey of salmonids from British Columbia. Canadian Journal of Fisheries and Aquatic Sciences 38:996-998.
- Markiw, M. E. 1986. Salmonid whirling disease: Dynamics of experimental production of the infective stage--the triactinomyxon spore. Canadian Journal of Fisheries and Aquatic Sciences 43:521-526.
- Markiw, M. E. 1989. Portals of entry for salmonid whirling disease in rainbow trout. Disease of Aquatic Organisms 6:7-10.
- Markiw, M. E. 1989. Salmonid whirling disease: Myxosporean' and actinosporean stages cross-react in direct fluorescent antibody test. Journal of Fish Diseases 12:137-141.
- Markiw, M. E. 1991. Whirling disease: Earliest susceptible age of rainbow trout to the triactinomyxid of Mvxobolus cerebralis. Aquaculture 92:1-6.
- Markiw, M. E. 1992. Experimentally induced whirling disease. I. Dose response of fry and adults of rainbow trout exposed to the triactinomyxon stage of Mvxobolus cerebralis. Journal of Aquatic Animal Health 4:40-43.
- Markiw, M. E. 1992. Experimentally induced whirling disease. II. Determination of longevity of the infective triactinomyxon stage of Mvxobolus cerebralis by vital staining. Journal of Aquatic Animal Health 4:40-43.
- Markiw, M. E. 1992. Salmonid whirling disease. U.S. Fish and Wildlife Service, Fish and Wildlife leaflet 17. 11 pp.
- Markiw, M. E. and K. Wolf 1974. Mvxosoma cerebralis: Comparative sensitivity of spore detection methods. Journal of Fisheries Research Board of Canada 31:1597-1600.

- Markiw, M. E. and K. Wolf 1974. Myxosoma cerebraalis: Isolation and concentration from fish skeletal elements-- sequential enzymatic digestions and purification by differential centrifugation. Journal of the Fisheries Research Board of Canada 31:15-50.
- Markiw, M. E. and K. Wolf. 1978. Myxosoma cerebraalis. Fluorescent antibody techniques for antigen recognition. Journal of the Fisheries Research Board of Canada 35:828-832.
- Markiw, M. E. and K. Wolf 1980. Myxosoma cerebraalis: Trypsinization of plankton centrifuge harvests increases optical clarity and spore concentration. Canadian Journal of Fisheries and Aquatic Sciences 37:2225-2227.
- Markiw, M. E. and K. Wolf. 1993. Myxosoma cerebraalis (Myxozoa: Myxosporidia) etiologic agent of salmonid whirling disease require tubificid worm (Annelida: Oligochaeta) in its life cycle. Journal of Protozoology 30:561-564.
- Markle, D. F. 1992. Evidence of bull trout X brook trout hybrids in Oregon. In P. J. Howell and D. V. Buchanan, eds. Proceedings of the Gearhart Mountain bull trout workshop, August 1992, Gearhart Mountain, Oregon. Pp. 58-67. Corvallis, Oregon: Oregon Chapter of the American Fisheries Society.
- Martin, M. A. and D. K. Shiozawa. 1982. The electrophoresis of isolated trout populations from selected Utah streams. Report to the Utah Division of Wildlife Resources, Salt Lake City, Utah.
- Mauser, G. R., R. W. Vogelsang, and C. L. Smith. 1988. Enhancement of trout in large north Idaho lakes. Job Completion Rep., Proj. F-73-R-10, Subproj. III. Boise, Idaho: Idaho Department of Fish and Game. 94 pp.
- May, B. 1977. Utah cutthroat proposal for the Southern Region. Utah Division of Wildlife Resources, Cedar City, Utah. 12 pp.
- May, B. E., J. D. Leppink, and R. S. Wydoski. 1978. Distribution, systematics, and biology of the Bonneville cutthroat trout, Salmo clarki utah. Publication 78-15. Ogden: Utah Division of Wildlife Resources.

- McGurrin, Joseph. 1994, July 22. Memorandum to Trout Unlimited National Resource Board, Council Chairs, Chapter Presidents and Scientific and Technical Reviewers.
- McGurrin, J. C., C. Ubert, and D. Duff. 1995. Use of cultured salmonids in the federal aid in sport fish restoration program. *American Fisheries Soc. Symp.* 15:12-15.
- McGurk, B. J. 1989. Predicting stream temperature after riparian vegetation removal. In Dana L. Abell, tech. coord. *Proceedings of the California riparian systems conference: Protection, management, and restoration for the 1990s*, September 22-24, 1988, Davis, California. Pp. 157-164. Gen. Tech. Rep. PSW-110. Berkeley, California: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station.
- McIntyre, J. D. 1983. Differentiation of anadromous salmonid stocks. In J. Warton and D. Huston, eds. *Proceedings of Olympic Wild Fish Conference*. Pp. 9-15.
- McPhail, J. D. and C. B. Murray. 1979. The early life-history and ecology of Dolly Varden (Salvelinus malma) in the Upper Arrow Lakes. Vancouver, British Columbia: University of British Columbia, Department of Zoology and Institute of Animal Resources. 113 pp.
- Meehan, W. R. 1991. Influences of forest and rangeland management on salmonid fishes and their habitats. W. R. Meehan, ed. *American Fisheries Society Special Publication 19*, pp. 1-16.
- Meehan, W. R. and T. C. Bjornn. 1991. Salmonid distributions and life histories. In W. R. Meehan, ed. *Influence of forest and rangeland management on salmonid fishes and their habitats*. Pp. 47-82. *Spec. Publ. 19*. Bethesda, Maryland: American Fisheries Society.
- Meehan, W. R. and W. S. Platts. 1978. Livestock grazing and the aquatic environment. *Journal of Soil and Water Conservation* 33:274-278.
- Megahan, W., W. S. Platts, and B. Kulesza. 1980. Riverbed imroves over time: South Fork Salmon. In *Symposium on watershed management*, July 21-23, 1980, Boise, Idaho. New York: American Society of Civil Engineers 1:380-395.

- Meisner, J. D. 1990. Effect of climatic warming on the southern margins of the native range of brook trout, Salvelinus fontinalis. Canadian Journal of Fisheries and Aquatic Sciences 47:1065-1070.
- Meisner, J. D. 1990. Potential loss of thermal habitat for brook trout, due to climatic warming in two southern Ontario streams. Transactions of the American Fisheries Society 119:282-291.
- Message Scan for Don Duff. 1997, April 29, from James Whelan.
- Meyers, T. U., J. Scala, and E. Simmons. 1970. Modes of transmission of whirling disease of trout. Nature 227:622-623.
- Miller, D. D. 1977. Comprehensive survey of the Bear River drainage. Completion Report, Project 4077-01-6602. Wyoming Game and Fish Department.
- Miller, R. R. 1961. Man and the changing fish fauna of the American Southwest. Mich. Acad. Sci. Art. Ltrs 46:365-404.
- Minckley, W. L. and J. E. Deacon. N.d. Battle against extinction. Tucson: University of Arizona Press. Xerox copy of print.
- Moore, K. M. and S. V. Gregory. 1988. Response of young-of-the-year cutthroat trout to manipulation of habitat structure in a small stream. Transactions of the American Fisheries Society 117:162-170.
- Moore, K. M. S. and S. V. Gregory. 1988. Summer habitat utilization and ecology of cutthroat trout fry (Salmo clarki) in Cascade Mountain streams. Canadian Journal of Fisheries and Aquatic Sciences 45:1921-1930.
- Moore, S. E., B. Ridley, and G. L. Larson. 1983. Standing crops of brook trout concurrent with removal of rainbow trout from selected streams in Great Smoky Mountains National park. North American Journal of Fisheries Management 3:72-80.
- Moyle, P. B. 1976. Fish introductions in California. History and impacts on native fishes. Biological Conservation 9:101-118.

- Moyle, P. B. and G. M. Sato. 1991. On the design of preserves to protect native fishes. In W. L. Minckley and J. E. Deacon, eds. Battle against extinction: Native fish management in the American West. Pp. 155-173. Tucson, Arizona: University of Arizona Press.
- Moyle, P. B. and B. Vondracek. 1985. Persistence and structure of the fish assemblage in a small California stream. Ecology 66:1-13.
- Mrowka, J. P. 1974. Man's impact on stream regimen and quality. In I. R. Manners and M. W. Mikesell, eds. Perspectives on environment. Pp. 79-104. Washington, D.C.: Association of American Geographers.
- Mullan, J. W., K. Williams, G. Rhodus, T. Hillman, and J. McIntyre. 1992. Production and habitat of salmonids in mid-Columbia River tributary streams. Mongr. 1. Washington, D.C.: U.S. Department of the Interior, Fish and Wildlife Service. 60 pp.
- Murphy, D. D. and B. R. Noon. 1992. Integrating scientific methods with habitat conservation planning: Reserve design for northern spotted owls. Ecological Applications 2(1):3-17.
- Murphy, M. L., J. Heifetz, S. Johnson, K. V. Koski, and J. F. Thedinga. 1986. Effects of clear-cut logging with and without buffer strips on juvenile salmonids in Alaskan streams. Canadian Journal of Fisheries and Aquatic Sciences 43:1521-1533.
- Murray, M. P. 1996. Natural processes: Wilderness management unrealized. Natural Areas Journal 16(1):55-61.
- Myers, L. H. 1989. Grazing and riparian management in southwestern Montana. In R. G. Gresswell, B. A. Barton, and J. L. Kershner, eds. Practical approaches to riparian resource management--an educational workshop. Pp. 117-120. American Fisheries Society, Montana Chapter. Bethesda, Maryland.
- Nagel, J. W. 1991. Is the decline of brook trout in the southern Appalachians resulting from competitive exclusion and/or extinction due to habitat fragmentation? Journal of the Tennessee Academy of Science 66(4):141-143.

- Naiman, R. J., T. J. Beechie, and L. E. Benda. 1992. Fundamental elements of ecologically healthy watersheds in the Pacific Northwest coastal ecoregion. In R. J. Naiman, ed. Watershed management: Balancing sustainability and environmental change. Pp. 100-111. New York: N.p.
- Nakano, S., K. D. Fausch, T. Furukawa-Tanaka, K. Maekawa, and H. Kawanabe. 1992. Resource utilization by bull char and cutthroat trout in a mountain stream in Montana, USA. Japanese Journal of Ichthyology 39:211-217.
- National Research Council. 1992. Restoration of aquatic ecosystems. Washington, D.C.: National Academy Press. 552 pp.
- Needham, P. R. and T. M. Vaughan. 1952. Spawning of the Dolly Varden, Salvelinus malma, in Twin Creeks, Idaho. Copeia 3:197-199.
- Nehlsen, W., J. E. Williams, J. A. Lichatowich. 1991. Pacific salmon at the crossroads: Stocks at risk from California, Oregon, Idaho, and Washington.
- Nehring, R. B. 1993. Biological, environmental, and epidemiological evidence implicating Myxobolus cerebralis (the protozoan parasite causing whirling disease) in the dramatic decline of the wild rainbow trout population in the Colorado River in Middle Park, Colorado. Denver: Colorado Division of Wildlife Report.
- Nehring, R. B. 1996. Whirling disease in feral trout population in Colorado. In E. P. Bergersen and B. A. Knopf, eds. Proceedings: Whirling disease workshop: Where do we go from here? Colorado Cooperative Fish and Wildlife Research Unit, Fort Collins, Colorado.
- Nehring, R. B. and Nickum, D. N.d. Whirling disease and wild trout management. Xerox of printed copy.
- Nehring, R. B. and P. G. Walker. 1996. Whirling disease in the wild: The new reality in the Intermountain West. Fisheries 21(6):28-30.
- Neilson, B. R. 1988. The Bear Lake cutthroat trout enhancement program. Annual performance report. F-16-R-13. Salt Lake City, Utah: Utah Division of Wildlife Resources.

- Neilson, B. R. 1990. Twelve-year overview of fluorescent grit marking of cutthroat trout in Bear Lake, Utah-Idaho. American Fisheries Symposium 7:42-46.
- Neilson, B. R. and L. Lentsch. 1988. Bonneville cutthroat trout in Bear Lake: Status and management. American Fisheries Society Symposium 4:128-133.
- Neimi, G. J. and seven coauthors. 1990. Overview of caste studies on recovery of aquatic systems from disturbance. Environmental Management 14:571-587.
- Neitzel, D. A., M. J. Scott, S. A. Shankle, and J. C. Chatters. 1991. The effect of climate change on stream environments: The salmonid resource of the Columbia River. Northwest Environmental Journal 7:271-293.
- Nelson, J. S. 1965. Effects of fish introduction and hydroelectric development on fishes in the Kananaskis River System, Alberta. Journal of the Fisheries Research Board of Canada 22:721-753.
- Nelson, J. S. 1968. Distribution and nomenclature of North American kokanee, Oncorhynchus nerka. Journal of the Fisheries Research Board of Canada 25(2):409-414.
- Nelson, K. 1993. Status of the Bonneville cutthroat trout in the Bridger-Teton National Forest, Wyoming. Administrative report. USDA Forest Service, Bridger-Teton National Forest, Jackson, Wyoming.
- Nelson, K. and M. E. Soulé. 1987. Genetical conservation of exploited fishes. In N. Ryman and F. Utter, eds. Population genetics and fishery management. Pp. 345-368. Seattle, Washington: University of Washington Press.
- Nelson, L., J. Davis, and N. Horner. 1992. Regional fishery investigation report, Region 1, Job Performance Rep. F-71-R-17. Boise, Idaho: Idaho Department of Fish and Game. 92 pp.
- Nelson, R. L., M. L. McHenry, and W. S. Platts. 1991. Influences of forest and range and management on salmonid fishes and their habitats. American Fisheries Society Special Publication 19, pp. 425-451.
- Nelson, R. L., M. L. McHenry, and W. S. Platts. 1991. Mining. American Fisheries Society 19 (special publication): 425-458.

- Nickum, David, Joseph McGurrian, and Donald Duff. 1994. Wild trout and Wallop-Breaux: Restocking or restoring fish? Paper presented at Wild Trout V, September 26-27, Yellowstone National Park, Wyoming.
- Nielson, B. R. and D. L. Archer. 1977. Bear Lake cutthroat fisheries enhancement program. Annual Performance Report Publication Number 77-14. Utah State Division of Wildlife Resources.
- Nielson, B. R. and L. Lentsch. 1988. Bonneville cutthroat trout in Bear Lake: Status and management. American Fisheries Society Symposium 4:239-252.
- Nordeng, H. 1983. Solution to the "char problem" based on Arctic char (Salvelinus alpinus) in Norway. Canadian Journal of Fisheries and Aquatic Sciences 40:1372-1387.
- Norris, L. A., H. W. Lorz, S. V. Gregory. 1991. Forest chemicals. American Fisheries Society Special Publication 19, pp. 207-296.
- Northcote, R. G. 1992. Migration and residency in stream salmonids--some ecological considerations and evolutionary consequences. Nordic Journal of Freshwater Research 67:5-17.
- Noss, R. F. 1991. Landscape connectivity: Different functions at different scales. In W. E. Hudson, ed., Landscape linkages and biodiversity. Pp. 27-39. Covelo, California: Island Press.
- Notice of availability of draft Conservation Agreements for the Bonneville cutthroat trout and the Colorado River cutthroat trout for review and comment. 1996, September 13. Federal Register 61(179):48500-48501.
- O'Grodnick, J. J. 1975. Egg transmission of whirling disease. The Progressive Fish-Culturist 37:153-154.
- O'Grodnick, J. J. 1975. Whirling disease Myxosoma cerebralis spore concentration using the continuous plankton centrifuge. Journal of Wildlife Diseases 11:54-57.
- O'Grodnick, J. J. 1978. Susceptibility studies of various salmonids in whirling disease: Histological staining and spore concentration procedures. Marine Fisheries Review 40:30-31.

- O'Grodnick, J. J. 1978. Whirling disease (Myxosoma cerebralis) study. Final report. Federal Aid in Sport Fish Restoration Grant 14-16-0009-77-060.
- O'Grodnick, J. J. 1979. Susceptibility of various salmonids to whirling disease (Myxosoma cerebralis). Transactions of the American Fisheries Society 108:187-190.
- Oliver, G. 1979. A final report on the present fisheries of the Wigwam River with an emphasis on the migratory life history and spawning behavior of migratory life history and spawning behavior of Dolly Varden charr Salvelinus malma (Walbaum). Fisheries investigations in tributaries of the Canadian portion of Libby Reservoir. Victoria, British Columbia: British Columbia Fish and Wildlife Branch. 27 pp.
- Oregon Chapter of the American Fisheries Society. 1989. The status of threatened and rare native fish stocks affected by the Siskiyou National Forest Plan and implications for aquatic biological diversity. Technical Paper. Appeal of the Siskiyou National Forest Land and Resources Management Plan filed by Natural Resources Defense Council. 19 pp.
- Palmer, T. 1986. Endangered rivers and the conservation movement. Berkeley: University of California Press. 203 pp.
- Patton, D. R. 1977. Riparian research needs. U.S. Forest Service General Technical Report RM-43, pp. 80-82.
- Pauley, G. B. 1974. Fish sporozoa. Extraction of antigens from Myxosoma cerebralis spores which mimic tissue antigens of rainbow trout (Salmo aairdneri). Journal of the Fisheries Research Board of Canada 21:1481-1484.
- Paustian, S. J., D. Perkinson, D. A. Marion, and P. Hunsicker. 1983. An aquatic value rating procedure for fisheries and water resource management in southeast Alaska. In Managing water resources for Alaska's development, pp. 17-1 to 17-29. Fairbanks: Water Resources Association, Alaska Section.
- Pearse, P. H. 1988. Rising to the challenge: A new policy for Canada's freshwater fisheries. Ottawa: Canadian Wildlife Federation.

- Peterman, R. J. 1977. A simple mechanism that causes collapsing stability regions in exploited salmon populations. *Journal of the Fisheries Research Board of Canada* 34:1130-1142.
- Peterman, R. M. and M. Gatto. 1978. Estimation of functional responses of predators on juvenile salmon. *Journal of the Fisheries Research Board of Canada* 35:797-808.
- Peterson, D. A. 1988. Streamflow characteristics of the Green, Bear, and Snake river basins, Wyoming through 1984. *Water Resources Investigations* 87-4022. Cheyenne, Wyoming: U.S. Geological Survey.
- Philipp, David P., John M. Epifanio, and Martin J. Jennings. Point/counterpoint: Conservation genetics and current stocking practices--Are they compatible? *Fisheries* 18(12):14-16.
- Phillips, G. R. 1992. The 1872 mining law: Reforming a dinosaur. *Fisheries* 17(2):4-5.
- Phillips, R. B., K. A. Pleyte, and M. R. Brown. 1992. Salmonid phylogeny inferred from ribosomal DNA restriction maps. *Canadian Journal of Fisheries and Aquatic Sciences* 49:2345-2353.
- Pimm, S. L. and A. Redfearn. 1988. The variability of population densities. *Nature* 334:613-614.
- Platts, W. S. 1974. Geomorphic and aquatic conditions influencing salmonids and stream classification with application to ecosystem classification. U.S. Department of Agriculture. Forest Service. SEAM (Surface Environment and Mining) Program, Billings, Montana. 199 pp.
- Platts, W. S. 1981. Impairment, protection, and rehabilitation of Pacific salmonid habitats on sheep and cattle ranges. Pp. 82-92 in Hassler, 1981.
- Platts, W. S. 1991. Grazing. *American Fisheries Society* 19 (special publication):389-424.
- Platts, W. S. 1991. Livestock grazing. *American Fisheries*. W. R. Meehan, ed. Society Special Publication 19, pp. 389-423.

- Platts, W. S. and R. L. Nelson. 1985. Impacts of rest-rotation grazing on stream banks in forested watersheds in Idaho. North American Journal of Fisheries Management 5:547-556.
- Platts, W. S. and R. L. Nelson. 1985. Stream habitat and fisheries response to livestock grazing and instream improvement structures, Big Creek, Utah. Journal of Soil and Water Conservation 40:374-379.
- Platts, W. S. and R. L. Nelson. 1988. Fluctuations in trout populations and their implications for land-use evaluation. North American Journal of Fisheries Management 8:333-345.
- Platts, W. S. and F. E. Partridge. 1983. Inventory of salmon, steelhead trout, and bull trout: South Fork Salmon River, Idaho. Res. Note INT-324. Ogden, Utah: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station. 9 pp.
- Platts, W. S., M. L. Torguemada, and C. K. Graham. 1989. Changes in salmon spawning and rearing habitat from increased delivery of fine sediment to the South Fork Salmon River, Idaho. Transactions of the American Fisheries Society. 118:629-645.
- Platts, W. S., M. Hill, T. W. Hillman, and M. D. Miller. 1993. Preliminary status report on bull trout in California, Idaho, Montana, Nevada, Oregon, and Washington. Report to the Intermountain Forest Industry Association. 52 pp.
- Plehn, M. 1904. Uber die Drehkrankheit der Salmoniden Lentosooria cerebralis (Hofer) Plehn. Archives Protistenk Bd 5:145-166.
- Poff, N. L. and J. V. Ward. 1989. Implications of streamflow variability and predictability for lotic community structure: A regional analysis of streamflow patterns. Canadian Journal of Fisheries and Aquatic Sciences 46:1805-1818.
- Poff, N. L. and J. V. Ward. 1990. Physical habitat template of lotic systems: Recovery in the contest of historical pattern of spatiotemporal heterogeneity. Environmental Management 14(5):629-645.

- Popov, B. H. and J. B. Low. 1950. Game, fur animal and fish: Introductions into Utah. Misc. Pub. 4. Salt Lake City: Utah Department of Fish and Game.
- Prasher, J. B., W. M. Tidd, and R. A. Tubb. 1971. Techniques for extracting and quantitatively study the spore stage of the protozoan parasite Myxosoma cerebralis. The Progressive Fish-Culturist 33:193-196.
- Pratt, K. L. 1984. Habitat use and species interactions of juvenile cutthroat (Salmo clarki lewisi) and bull trout (Salvelinus confluentus) in the Upper Flathead River basin. Thesis. Moscow, Idaho: University of Idaho. 95 pp.
- Pratt, K. L. 1985. Pend Oreille trout and char life history study. Boise, Idaho: Idaho Department of Fish and Game. 105 pp.
- Pratt, K. L. 1992. A review of bull trout life history. In P. J. Howell and D. V. Buchanan, eds. Proceedings of the Gearheart Mountain bull trout workshop, August 1992, Gearhart Mountain, Oregon. Pp. 5-9. Corvallis, Oregon: Oregon Chapter of the American Fisheries Society.
- Pratt, P. P. 1970. The autobiography of Parley Parker Pratt. Salt Lake City: Deseret Book Co; first ed. 1938. 371 pp.
- Pratt, K. and J. E. Huston. 1993, December. Status of bull trout (Salvelinus confluentus) in Lake Pend Oreille and the lower Clark Fork River: Draft. Spokane, Washington: The Washington Water Power company. 108+ pp.
- Pulliam, H. R. 1988. Sources, sinks, and population regulation. American Naturalist 132(5):652-661.
- Putz, R. E. 1969. Experimental transmission of Myxosoma cerebralis (whirling disease) and effect of freezing on the spores. Progressive Sport Fish Research. 55-57.
- Putz, R. E. and G. L. Hoffman. 1966. Earliest susceptible age of rainbow trout to whirling disease. The Progressive Fish-Culturist 28:82.
- Quattro, J. M., and R. C. Vrijenhoek. 1989. Fitness differences among remnant populations of the endangered Sonoran topminnow. Science 245:976-978.
- Quinn, J. F. and A. Hastings. 1987. Extinction in subdivided habitats. Conservation Biology 1:198-207.

- Ralph, S. C., G. C. Puule, L. L. Conquest, and R. J. Naiman. 1993. Stream channel condition and instream habitat in logged and unlogged basins of western Washington. Unpublished manuscript. Seattle, Washington: Center for Streamside Studies, AR-10, University of Washington.
- Ratliffe, D. E. 1992. Bull trout investigations in the Metolius River-Lake Billy Chinook system. In P. J. Howell and D. V. Buchanan, eds. Proceedings of the Gearhart Mountain bull trout workshop, August 1992, Gearhart Mountain, Oregon. Pp. 37-44. Corvallis, Oregon: Oregon Chapter of the American Fisheries Society.
- Ratliffe, D. E. and P. J. Howell. 1992. The status of bull trout populations in Oregon. In P. J. Howell and D. V. Buchanan, eds. Proceedings of the Gearhart Mountain bull trout workshop, August 1992, Gearhart Mountain, Oregon. Pp. 10-17. Corvallis, Oregon: Oregon Chapter of the American Fisheries Society.
- Rawley, E. V. 1985. Early records of wildlife in Utah. Publication No. 86-2. Salt Lake City: Utah Division of Wildlife Resources.
- Reeves, G. H. and J. R. Sedell. 1992. An ecosystem approach to the conservation and management of freshwater habitat for anadromous salmonids in the Pacific Northwest. Transactions of the 57th North American Wildlife and Natural Resources Conference 57:408-415.
- Reeves, G. H., J. D. Hall, T. D. Roelofs, T. L. Hichman, and C. O. Baker. 1991. Rehabilitating and modifying stream habitats. American Fisheries Society Special Publication 19, pp. 519-557.
- Reiman, B., D. Lee, J. McIntyre, K. Overton, and R. Thurow. 1993. Consideration of extinction risks for salmonids. FHR Currents No. 14. Eureka, California: USDA Forest Service.
- Reisenbichler, R. R. 1988. Relation between distance transferred from natal stream and recovery rate for hatchery coho salmon.
- Reisenbichler, R. R., J. D. McIntyre, M. F. Solazzi, and S. W. Landino. 1992. Genetic variation in steelhead of Oregon and Northern California. Transactions of the American Fisheries Society 121:158-169.

- Reist, J. D. 1989. Genetic structuring of allopatric populations and sympatric life history types of charr, Salvelinus alpinus/malma in the western Arctic, Canada. *Physiology and Ecology Japan Spec.* 1:405-420.
- Remmick, Ron. 1997, June 23. Letter to D. C. Carlton.
- Remmick, R. 1982. A survey of native cutthroat populations and associated stream habitats in the Bridger-Teton National Forest. Wyoming Game and Fish Department, Fish Division.
- Remmick, R. and N. A. Binns. 1987. Effect of drainage-wide habitat management on Bear River cutthroat trout (Salmo clarki utah) populations in the Thomas Fork drainage, Wyoming. Completion report, Projects 4087-13-7702 and 4087-08-7501. Cheyenne: Wyoming Game and Fish Department, Fish Division.
- Remmick, Ron, Kurt Nelson, George Walker, and John Henderson. 1993. Bonneville cutthroat trout inter-agency five year management plan (1993-1997) [Wyoming]. Cheyenne: Wyoming Game and Fish Department.
- Reynolds, Gray. 1994, September 23. Integrating ecosystem management into the FS/TU partnership. Remarks made at the Annual Meeting of Trout Unlimited, Bozeman, Montana.
- Reynolds, Gray F. 1996, November 5. Memorandum
- Rich, W. H. 1939. Local populations and migration in relation to the conservation of Pacific salmon in the western states and Alaska.
- Richter, Brian D., David P. Braun, Michael A. Mendelson, and Lawrence L. Master. 1997, October. Threats to imperiled freshwater fauna. Conservation Biology, 11(5):1081-1093.
- Ricker, W. E. 1940. On the origin of kokanee, a freshwater type of sockeye salmon. *Transactions of the Royal Society of Canada* 34:121-135.
- Ricker, W. E. 1959. Additional observations concerning residual sockeye and kokanee (Oncorhynchus nerka). *Journal of the Fisheries Research Board of Canada* 16:897-902.

- Ricker, W. E. 1972. Hereditary and environmental factors affecting certain salmonid populations. In R. C. Simon and P. Larkin, eds. The stock concept in Pacific salmon. Pp. 19-160. H. R. MacMillan lectures in fisheries. Vancouver, British Columbia: University of British Columbia Press.
- Rieman, B. E. and K. A. Apperson. 1989. Status and analysis of salmonid fisheries: Westslope cutthroat trout synopsis and analysis of fishery information. Job Performance Rep., Proj. F-73-R-11, Subproj. II, Study 1, Job 1. Boise, Idaho: Idaho Department of Fish and Game. 113 pp.
- Rieman, B. E. and R. C. Beamesderfer. 1990. White sturgeon in the lower Columbia River: Is the stock overexploited? North American Journal of Fisheries Management 10:388-396.
- Rieman, B. E. and J. R. Lukens. 1979. Lake and reservoir investigations: Priest Lake creel census. Job Completion Rep., Proj. F-73-R-1, Subproj. III, Study I, Job I. Boise, Idaho: Idaho Department of Fish and Game. 105 pp.
- Rieman, B. E. and J. D. McIntyre. 1993, September. Demographic and habitat requirements for conservation of bull trout. General Technical Report INT-302. U.S. Department of Agriculture, Forest Service, Intermountain Research Station. 38 pp.
- Riley, S. C. 1992. Trout population response to experimental habitat manipulation in six northern Colorado streams. Doctoral dissertation. Fort Collins: Colorado State University.
- Rishel, G. B., J. A. Lynch, and E. S. Corbett. 1982. Seasonal stream temperature changes following forest harvesting. Journal of Environmental Quality 11(1):112-116.
- Roberts, R. J. and K. G. R. Elson. 1970. An outbreak of whirling disease in rainbow trout. Veterinary Record 86:268-259.
- Rockett, L. C. 1964. An eight-year study of the brown trout population of Sand Creek, Crook County, Wyoming. Final report, Project 3355-3-1. Cheyenne: Wyoming Game and Fish Commission.

- Rode, M. 1989. Bull trout, Salvelinus confluentus (Suckley), in the McCloud River: Status and recovery recommendations. Inland Fish. Admin. Rep. Sacramento, California: California Department of Fish and Game. 43 pp.
- Rosenbaum, W. A. 1991. Environmental politics and policy. 2nd ed. New York: McGraw-Hill.
- Rosgen, D. L. 1988. A stream classification system. In K. M. Mutz, ed. Restoration, creation and management of wetland and riparian ecosystems in the American West: Proceedings of a symposium, November 14-16, 1988. Pp. 163-179. Denver, Colorado: Rocky Mountain Chapter, Wetland Scientists.
- Rothschild, B. J. and G. T. DiNardo 1987. Comparisons of 'recruitment variability and life history data among marine and anadromous fishes. American Fisheries Symposium 1:531-546.
- Rounsefell, G. A. 1958. Anadromy in North American Salmonidae. U.S. Fish and Wildlife Service Fishery Bulletin 58:171-185.
- Ryman, N. and L. Laikre. 1991. Effects of supportive breeding on the genetically effective population size. Conservation Biology 5:325-329.
- Salwasser, H. and B. G. Marcot. Viable population planning: A planning framework for viable populations. In B. A. Wilcox, P. F. Broussard, and B. G. Marcot, eds. The management of viable populations: theory, applications and case studies. Pp. 63-71. Stanford, California: Center for Conservation Biology, Department of Biological Sciences, Stanford University.
- Sartz, R. S. and D. N. Tolsted. 1974. Effect of grazing on runoff from two small watersheds in southwestern Wisconsin. Water Resources Research 10:354-356.
- Saunders, H. R., R. J. Hobbs, and C. R. Margules. 1990. Biological consequences of ecosystem fragmentation: A review. Conservation Biology 5:18-32.
- Saunders, J. W. and M. W. Smith. 1962. Physical alteration of stream habitat to improve brook trout production. Journal of the Fisheries Research Board of Canada 19:185.

- Saunders, R. L. and C. B. Schom. 1985. Importance of the variation in life history parameters of Atlantic salmon (Salmo salar). Canadian Journal of Fisheries and Aquatic Sciences 42:615-618.
- Schill, D. J. 1992. Bull trout aging and enumeration comparisons. Job Performance Report F-73-R-13. Boise, Idaho: Idaho Department of Fish and Game.
- Schill, D. J. 1992. Bull trout data summary and age analysis. Job Performance Rep., Proj. F-73-R-13, Subproj. II, Study IV, Job 3. Boise, Idaho: Idaho Department of Fish and Game. 59 pp.
- Schlosser, J. J. 1982. Trophic structure, reproductive success and growth rate of fishes in natural and modified headwater streams. Canadian Journal of Fisheries and Aquatic Sciences 39:968-978.
- Schlosser, J. J. 1990. Environmental variations, life history attributes and community structure in stream fishes: Implications for environmental management, an assessment. Environmental Management 14:621-628.
- Schlosser, J. J. 1991. Stream fish ecology: A landscape perspective. Bioscience 41:704-712.
- Schmidt, B., P. W. Birdsey, and B. R. Nielson. 1995. A conceptual management plan for cutthroat trout in Utah. L. Lentsch and J. Perkins, tech. eds., Pub. No. 7. Salt Lake City, Utah: Utah Division of Wildlife Resources.
- Schmitz, M. 1992. Annual variations in rheotactic behavior and seawater adaptability in landlocked Arctic char (Salvelinus alpinus). Canadian Journal of Fisheries and Aquatic Sciences 49:448-452.
- Schutz, D. C. and T. G. Northcote. 1972. An experimental study of feeding behavior and interaction of coastal cutthroat trout (Salmo clarki) and Dolly Varden (Salvelinus malma). Journal of the Fisheries Research Board of Canada 29:555-565.
- Schwalbach, Monica J., Assistant Forest Supervisor, Humboldt National Forest. 1997, September 3. Letter to D. C. Carlton.
- Schweibert, E., ed. 1977. Columbia River salmon and steelhead. Washington, D.C.: American Fisheries Society Special Publication No. 10. 214 pp.

- Scott, D. 1984. Origin of New Zealand sockeye salmon Oncorhynchus nerka. Journal of the Royal Society of New Zealand 14:245-249.
- Scott, W. B. and E. J. Crossman. 1973. Freshwater fishes of Canada. Bull. 184. Ottawa, Ontario: Fisheries-Research Board of Canada. 966 pp.
- Scudder, G. G. E. 1989. The adaptive significance of marginal populations: A general perspective. In C. D. Levings, L. B. Holtby, and M. A. Henderson, eds. Proceedings of the national workshop on effects of habitat alteration on salmonid stocks. Canadian Spec. Publ. Fisheries and Aquatic Sciences 105:180-185.
- Scully, R. J. 1993. Bonneville cutthroat trout in Idaho: 1993 status. Administrative report. Boise: Idaho Department of Fish and Game.
- Scully, R. J. 1994. Habitat conservation assessment and strategy, Bonneville cutthroat trout (Oncorhynchus clarki utah). Pocatello, Idaho: Idaho Dept. of Fish and Game.
- Scully, R. J., E. J. Leitzinger, and C. E. Petrosky. 1990. Idaho habitat evaluation for off-site mitigation record. Contract DE-A179-84BP133381. Unpublished annual report, Bonneville Power Administration, Portland, Oregon. 38 pp.
- Sedell, J. R. and K. J. Luchessa. 1982. Using the historical record as an aid to salmonid habitat enhancement. Pp. 210-223 in Armantrout, 1982.
- Sedell, J. R., F. N. Leone, and W. S. Duval. 1991. Water transportation and storage of logs. W. R. Meehan, ed. American Fisheries Society Special Publication 19, pp. 325-368.
- Sedell, J. R., G. H. Reeves, F. R. Hauer, J. A. Stanford, and C. P. Hawkins. 1990. Role of refugia in recovery from disturbances: Modern fragmented and disconnected river systems. Environmental Management 14:711-724.
- Seegrist, D. W. and R. Gard. 1972. Effects of floods on trout in Sagehen Creek, California. Transactions of the American Fisheries Society 101:478-482.
- 7 Species Project--Fish. 1997, April 1. Briefing for Regional Forester.

- Shaffer, M. L. 1987. Minimum viable populations: Coping with uncertainty. In M. E. Soulé, ed. Viable populations for conservation. Pp. 69-86. Cambridge University Press.
- Shaffer, M. L. 1991. Population viability analysis. In D. J. Decker, M. E. Krasny, G. R. Goff, C. R. Smith, and D. W. Gross, eds. Challenges in the conservation of biological resources. Pp. 107-118. Boulder, Colorado: Westview Press.
- Shaffer, M. L. and F. B. Samson. 1985. Population size and extinction: A note on determining critical population sizes. The American Naturalist 125:144-151.
- Shepard, B., K. Pratt, and P. Graham. 1984. Life histories of westslope cutthroat and bull trout in the upper Flathead River basin, Montana. Kalispell, Montana: Montana Department of Fish, Wildlife, and Parks. 85 pp.
- Shepard, B., S. A. Leathe, T. M. Weaver, and M. D. Enk. 1984. Monitoring levels of fine sediment within tributaries to Flathead Lake and impacts of fine sediment on bull trout recruitment. Unpublished paper presented at the Wild Trout III Symposium, Yellowstone National Park, Wyoming. Montana Department of Fish, Wildlife, and Parks, Kalispell, Montana.
- Sheridan, D. 1977. Hard rock mining on the public land. Council of Environmental Quality. Washington, D.C.: U.S. Government Printing Office.
- Shiozawa, D. K. and R. P. Evans. 1994. Relationships between cutthroat trout populations from thirteen Utah streams in the Colorado River and Bonneville drainages. Final Report. Contract 92-2377. Utah Division of Wildlife Resources.
- Shiozawa, D. K. and R. P. Evans. 1995. The genetic status of cutthroat trout from various drainages in the Wasatch-Cache National Forest based on examination of mitochondrial DNA. Interim report to the U.S. Forest Service, Salt Lake City Utah. Contract 43-8490-4-0110.
- Shiozawa, D. K., R. P. Evans, and R. Williams. 1992. Phylogenetic relationships of Bonneville cutthroat trout. Paper presented at Bonneville cutthroat trout interagency meeting, Salt Lake City, Utah.

- Shiozawa, D. K., R. P. Evans, and R. Williams. 1993. Relationships between cutthroat trout populations from ten Utah streams in the Colorado River and Bonneville drainages. Interim report, Contract 92-2377. Ogden: Utah Division of Wildlife Resources.
- Shiozawa, Dennis K. and R. Paul Evans. 1995, September 21. The genetic status of cutthroat trout from various drainages in the Wasatch-Cache National Forest based on examination of mitochondrial DNA. Prepared for Wasatch-Cache National Forest, U.S. Forest Service, Salt Lake City, Utah.
- Shiozawa, Dennis K. and R. Paul Evans. 1997, April 15. The genetic status of cutthroat trout from Holman Creek, tributary to Thistle Creek in the Spanish Fork River basin, Utah. Prepared for Spanish Fork Ranger District, U.S. Forest Service, Uinta National Forest. Department of Zoology, Brigham Young University, Provo, Utah.
- Sibly, R. M. 1991. The life-history approach to physiological ecology. *Functional Ecology* 5:184-191.
- Sidall, M. E., D. S. Martin, D. Bridge, S. S. Desser, and D. K. Cone. N.d. The demise of a phylum of protist: Phylogeny of myxozoa and other parasitic enidaria. *Journal of Parasitology* 81(6):961-967.
- Siegel, J., ed. 1992. Statistix, version 4.0. User's manual. St. Paul, Minnesota: Analytical Software.
- Sigler, W. F. and R. R. Miller. 1963. *Fishes of Utah*. Ogden: Utah Department of Fish and Game.
- Sigler, J. W. and W. F. Sigler. 1986. History of fish hatchery development in the Great Basin states of Utah and Nevada. *The Great Basin Naturalist* 40(4):583-594.
- Sigler, W. F. and J. W. Sigler. 1987. *Fishes of the Great Basin*. Reno, Nevada: University of Nevada Press.
- Simon, R. C. 1972. Gene frequency and the stock problems. In R. C. Simon and P. A. Larkin, eds. *The stock concept in Pacific salmon*. Pp. 161-169. H. R. MacMillan lectures in fisheries. Vancouver, British Columbia: University of British Columbia.
- Simpson, J. H. 1876. Report of explorations across the Great Basin in 1859. Washington, D.C.: U.S. Army War Department. 518 pp.

- Smothers, J. F., C. D. von Doheln, L. H. Smith Jr., and R. D. Spall. 1994. Molecular evidence that the myxozoan protist are metazoans. *Science* 265:1719-1721.
- Soulé, M. E. 1980. Thresholds for survival: Maintaining fitness and evolutionary potential. In M. E. Soulé and B. A. Wilcox, eds. *Conservation biology: An evolutionary-ecological perspective*. Pp. 151-169. Sunderland, Massachusetts: Sinauer Associates.
- Soulé, M. E. 1987. Where do we go from here? In M. E. Soulé, ed. *Viable populations for conservation*. Pp. 175-183. Cambridge, England: Cambridge University Press.
- Spain, Glenn. 1997. Oregon embarks on bold recovery plan for Pacific salmon. Should it be used as an alternative to an ESA listing? *Endangered Species Update* 14(5&6):11-16.
- Stacey, P. B. and M. Taper. 1992. Environmental variation and the persistence of small populations. *Ecological Applications* 2(1):18-29.
- Stansbury, H. 1860. *Exploring the Great Salt Lake: The Stansbury Expedition of 1849-50*. Washington, D.C.: War Department, Topographical Bureau.
- Starnes, L. B. 1983. Effects of surface mining on aquatic resources in North America *Fisheries* 8(6):2-4.
- State of Utah, Natural Resources, Division of Wildlife Resources. 1997, March. Conservation agreement and strategy for Bonneville Cutthroat Trout (Oncorhynchus clarki utah) in the state of Utah [draft]. Publication No. 97-xx.
- State of Utah, Utah Division of Wildlife. n.d. Bonneville Cutthroat Trout [fact sheet].
- Staurnes, M., T. Sigholt, G. Lysfjord, and O. A. Gulseth. 1992. Difference in the seawater tolerance of anadromous and landlocked populations of Arctic char (Salvelinus alpinus). *Canadian Journal of Fisheries and Aquatic Sciences* 49:443-447.
- Stephens, George. 1997, June 12. Letter to D. C. Carlton.
- Stoddart, L. A., A. D. Smith, and T. W. Box. 1975. *Range management*. 3rd ed. New York: McGraw-Hill.

- Suckley, G. 1874. Monograph of the genus *Salmo*. Report to the U.S. Fish Commission 1872-1873. pp. 91-160.
- Sullivan, K., T. E. Lisle, C. A. Dolloff, G. E. Grang, and L. M. Reid. 1987. Stream channels: The link between forests and fishes. In E. O. Salo and T. W. Cundy, eds. Streamside management: Forestry and fishery interactions. Pp. 39-97. Seattle, Washington: University of Washington.
- Suter, G. W. 1992. Ecological risk assessment. New York: Addison-Wesley Publishing Co. 483 pp.
- Swanson, R. 1992, June 16. Personal communication of unpublished data. Washington, D.C.: U.S. Department of the Interior, Bureau of Land Management.
- Swanston, D. N. 1991. Natural processes. W. R. Meehan, ed. American Fisheries Society Special Publication 19, pp. 139-179.
- Tappel, P. D. and T. C. Bjornn. 1983. A new method of relating size of spawning gravel to salmonid embryo survival. North American Journal of Fisheries Management 3:123-135.
- Taylor, R. E. L. and M. H. Haber. 1974. Opercular cyst formation in trout infected with Mvxosoma cerebralis. Journal of Wildlife Diseases 10:347-351.
- Taylor, R. L. and M. Lott. 1978. Transmission of salmonid whirling disease by birds fed trout infected with Mvxosoma cerebralis. Journal of Protozoology 25:105-106.
- Taylor, R. E. L., S. J. Coli, and D. R. Junell. 1973. Attempts to control whirling disease by continuous drug feeding. Journal of Wildlife Diseases 9:302-305.
- Thomas, G. 1992. Status report: Bull trout in Montana. Helena, Montana: Department of Fish, Wildlife, and Parks. 76 pp.
- Thomas, J. W., L. F. Ruggiero, R. W. Mannan, J. W. Schoen, and R. A. Lancia. 1988. Management and conservation of old-growth forests in the United States.

- Thomas, J. W. et al. 1993. Viability assessments and management considerations for species associated with late-successional and old-growth forests of the Pacific Northwest. A report of the Scientific Analysis Team. USDA Forest Service Research. 530 pp.
- Thorpe, J. E. and K. A. Mitchell. 1981. Stocks of Atlantic salmon in Britain and Ireland: Discreteness and current management. Canadian Journal of Fisheries and Aquatic Sciences 38:1576-1590.
- Thurrow, R. 1982. Blackfoot River fisheries investigations. Job Completion Rep. Fed. Aid to Fish and Wildl. Restoration Proj. F-73-R-3. Boise, Idaho: Idaho Department of Fish and Game. 243 pp.
- Thurrow, R. 1985. Middle Fork Salmon River fisheries investigations. Job Completion Rep. Proj. F-73-R-6. Boise, Idaho: Idaho Department of Fish and Game. 100 pp.
- Thurrow, R. 1987. Evaluation of the South Fork Salmon River steelhead trout fishery restoration program. Lower Snake River Fish and Wildlife Compensation Plan Contract No. 14-16-0001-86505, Job Completion Rep. Boise, Idaho: Idaho Department of Fish and Game. 154 pp.
- Thut, R. N. and D. C. Schmiede. 1991. Processing mills. W. E. Meehan, ed. American Fisheries Society Special Publication 19, pp. 369-389.
- Thwaites, R. G. 1907. Early western travels, 1748-1846. Vol. 21. Cleveland, Ohio: Arthur H. Clark Co. 369 pp.
- Tidd, W. M., R. A. Tubb, and V. Wright. 1973. Modification of Myxosoma cerebralis spore extraction technique. The Progressive Fish-Culturist 35:227-228.
- Titus, R. G. and H. Mosegaard. 1992. Fluctuating recruitment and variable life history of migratory brown trout, Salmo trutta in a small, unstable stream. Journal of Fish Biology 41:239-255.
- Toews, D. A. A. and D. Wilford. 1978. Watershed management consideration for operational planning on TFL 39 (block 6A) Graham Island. Canadian Fisheries Marine Services Manuscript Report 1473.
- Tromble, J. M., K. G. Renard, and A. P. Thatcher. 1974. Infiltration for three rangeland soil-vegetation complexes. Journal of Range Management 27:318-321.

- Trotter, P. C. 1987. Cutthroat, native trout of the West. Boulder, Colorado: Colorado Associated University Press. 219 pp.
- Trotter, P. C. and P. A. Bisson. 1988. History of the discovery of the cutthroat trout. American Fisheries Society Symposium 4:8-12.
- Trout Unlimited. N.d. Conserving salmonid biodiversity on federal lands: Trout Unlimited's policy on mining, grazing, and timber harvest. Arlington, Virginia: Trout Unlimited.
- Trout Unlimited. 1997, April. 1997 Embrace-A-Stream Grants.
- Trout Unlimited. 1997, Summer. In search of the sincerity factor. Trout, pp. 5-6.
- Trout Unlimited. 1997, Summer. Native Bonneville declared state fish. Trout. p. 45.
- Trout Unlimited. 1996, March. Whirling disease in the United States: Overview and Guidance for research and management. Arlington, Virginia: Trout Unlimited.
- Trout Unlimited. n.d. Technical support document for conserving salmonid biodiversity on federal lands: Trout Unlimited's policy on mining, grazing, and timber harvest.
- UDWR. 1991. Dewatered stream miles. Salt Lake City: Instream Flow Taskforce, Utah Division of Wildlife Resources.
- UDWR. 1996. Conservation and management strategy for the Bonneville cutthroat trout: Draft report. Utah Division of Wildlife Resources, Salt Lake City, Utah. 75 pp.
- URMCC. 1995. Fish hatchery improvement and construction. Utah Reclamation Mitigation and Conservation Commission, Memo. of Agree., Salt Lake City, Utah. 12 pp.
- U.S. Congress, Office of Technology Assessment. 1992. Forest Service planning: Accomodating uses, producing outputs, and sustaining ecosystems. Pp. 1-184
- USDA. 1993. Assessment of the forest and rangeland situation in the United States. 1993 update. Washington, D.C.: Forest Service.

- USDA Forest Service'. N.d. Land and resource management plan for the Caribou National Forest and Curlew National Grassland. Portions Xeroxed.
- USDA Forest Service. N.d. Land and resource management plan for the Uinta National Forest. Portions Xeroxed.
- USDA Forest Service. N.d. Wasatch-Cache National Forest Land and resource management plan. Portions xeroxed.
- USDA Forest Service. 1984. History of wildlife management in the Intermountain Region. Ogden, Utah: USDA Forest Service.
- USDA Forest Service. 1994. An assessment of the conservation needs for bull trout. R. Stowell, P. Howell, B. Rieman, and J. McIntyre, comps. Draft. 32 pp.
- USDA Forest Service. 1994. Conservation Agreement, Bonneville cutthroat trout, Thomas Fork drainage. Caribou National Forest, Pocatello, Idaho. 14 pp.
- USDA Forest Service. 1995. Conservation Assessment for Inland Cutthroat Trout. In M. Young, tech. ed. Publication GTR-RM-256. Rocky Mountain For. and Rg. Exp. Sta., Fort Collins, Colorado.
- USDA Forest Service. 1996, July. Re: Conservation Assessment for inland cutthroat trout: Distribution, status, and management implications.
- USDA Forest Service and USDI Bureau of Land Management. 1994, February. A federal agency guide for pilot watershed analysis. Draft report for the FEMAT effort. 153 pp.
- USDA Forest Service and USDI Bureau of Land Management. 1994, February. Interim strategies for managing anadromous fish-producing watersheds on federal lands in eastern Oregon and Washington, Idaho, and portions of California (PACFISH). Draft Environmental Assessment. 106 pp.
- U.S. Forest Service. 1996, June. Supplemental tables for Conservation assessment for inland cutthroat trout. Xerox.
- U.S. Forest Service. 1996, July. General Summary [Conservation assessment for inland cutthroat trout]. Xerox, 4 pp.
- U.S. Forest Service. Manual, Policy 2526.

- U.S. Fish and Wildlife Service (USFWS). 1990. Secondary uses occurring on National Wildlife Refuges. Washington, D.C.: Department of the Interior.
- U.S. Fish and Wildlife Service. 1992, November 2. Letter to All Interested Management Agencies.
- Uspenskava, A. V. 1957. The ecology and spreading of the pathogen of trout whirling disease--Myxosoma cerebralis (Hofer) Plehn (Protozoa: Myxosporidea), the cause of whirling disease in trout. Annual Meeting of the American Society of Parasitologists. Abstract X53, August 270-31, Lafayette, Indiana, Journal of Parasitology 47(4, Section II):29.
- Uspenskava, A. V. 1982. New data on the life cycle and biology of Myxosporidia. Archiv ur Protistenkunde 126:209-338.
- Utah Natural Heritage Program. N.d. Bonneville cutthroat trout Onchorhynchus clarki utah. Xeroxed draft.
- Utah Wildlife Resources. [1996]. Heritage Program, Xerox.
- Van Velson. 1979. Effects of livestock grazing upon rainbow trout in Otter Creek, Nebraska. Pp. 53-55 in Cope, 1979.
- Vig, N. J. and M. E. Kraft. 1990. Environmental policy in the 1990s. New York: Wright-Hall, Inc. 326 pp.
- Vincent, E. R. 1996. Whirling disease--the Montana experience, Madison River. In E. P. Bergersen and B. A. Knopf. Proceedings: Whirling disease workshop: Where do we go from here? P. 159. Colorado Cooperative Fish and Wildlife Research Unit, Fort Collins, Colorado.
- Wade, M. 1986. The relative effects of ceratomyxa shasta on crosses of resistant and susceptible stocks of summer steelhead.
- Walker, P. G. and R. B. Nehring. 1995. An investigation to determine the cause(s) of the disappearance of young wild rainbow trout in the upper Colorado River, in Middle Park, Colorado. Denver: Colorado Division of Wildlife. 134 pp.
- Wallace, R. L. 1980, January. Report on purity of Bonneville cutthroat trout, Salmo clarki utah from Preuss and Dry Creeks, Bear Lake County, Idaho. Project Completion Report to Caribou National Forest. 5 pp.

- Walters, C. J. and P. Cahoon. 1985. Evidence of decreasing spatial diversity in British Columbia salmon stocks. Canadian Journal of Fisheries and Aquatic Sciences 42:1033-1037.
- Warren, C. D. and F. E. Partridge. 1993, February. . Evaluation of the status of bull trout in the Jarbidge River drainage, Idaho. -Technical Bulletin 93-1. State Office, Bureau of Land Management. 20 pp.
- Warren C. E. 1979. Toward classification and rationale for watershed to pretreatment conditions: Techniques applied to a study at Caspar Creek, California. Water Resources Research 26:2079-2087.
- Warren, C. E. and W. J. Liss. 1980. Adaptation to aquatic environments. In R. L. Lackey and L. Nielsen, eds. Fisheries management. Pp. 15-40. Oxford: Blackwell Scientific.
- Warren, R. R. and P. L. Chesson. 1985. Coexistence mediated by recruitment fluctuations: A field guide to the storage effect. The American Naturalist 125(6):769-787.
- Weaver, T. M. 1985. Bull trout incubation. In D. D. MacDonald, ed. Proceedings of the Flathead River basin bull trout biology and population dynamics modelling information exchange, July 24-25, 1985, Whale Creek Community Center, Polebridge, Montana. Pp. 93-94. Cranbrook, British Columbia: British Columbia Ministry of the Environment, Fisheries Branch.
- Weaver, T. M. et al. 1987. An evaluation of experimental rehabilitation work: Redwood National Park. Redwood National Park Technical Report 19. Arcata, California: National Park Service. 164 pp.
- Weaver, T. M. 1991. Coal Creek fisheries monitoring study No. IX and forest-wide fisheries monitoring--1990. Kalispell, Montana: Montana Department of Fish, Wildlife, and Parks, Special Projects. 25 pp.
- Weaver, T. M. 1992. Coal Creek fisheries monitoring study No. X and forest-wide fisheries monitoring--1991. Kalispell, Montana: Montana Department of Fish, Wildlife, and Parks, Special Projects. 35 pp.
- Weaver, T. and J. Fraley. 1991. Fisheries habitat and fish populations. Flathead basin forest practices, water quality and fisheries cooperative program. Kalispell, Montana: Flathead Basin Commission. 47 pp.

- Weaver, T. M. and R. G. White. 1985. Coal Creek fisheries monitoring study No. III. Quarterly progr. rep. Bozeman, Montana: U.S. Department of Agriculture, Forest Service, Montana State Cooperative Fisheries Research Unit. 94 pp.
- Webster, D. A. and G. Eiriksdottir. 1976. Upwelling as a factor influencing choice of spawning sites by brook trout (Salvelinus fontinalis). Transactions of the American Fisheries Society 105(3):416-421.
- Wesche, T. A. and P. A. Rechard. 1980. A summary of instream methods for fisheries and related research needs. Eisenhower Consortium Bulletin 9. Laramie: University of Wyoming, Water Resources Research Institute.
- Whelan, J. 1993. Bonneville cutthroat trout status and management information. USDA Forest Service, Ely Ranger District, Ely, Nevada. 6 pp.
- 'Whirling Disease Invades Yellowstone.' 1997, July 11. Bozeman Chronicle, p. 1.
- White, R. J. 1975. Trout population responses to streamflow fluctuation and habitat management in Big Roche-a-Cri Creek, Wisconsin. Internationale Vereinigung für Theoretische und Angewandte Limnologie Verhandlungen 19:2469-2477.
- White, R. J. 1986. Physical and biological aspects of stream habitat management for fish: The primacy of hiding/security cover. In J. G. Miller, J. A. Arway, and R. F. Carline, eds. Proceedings of the fifth trout stream habitat improvement workshop. Pp. 241-265. Harrisburg: Pennsylvania Fish Commission.
- White R. J., E. J. Hansen, and G. R. Alexander. 1976. Relationship of trout abundance to stream flow in midwestern streams. In J. F. Orsborn and C. H. Allman, eds. Instream flow needs. Vol. 2. Pp. 597-613. Bethesda, Maryland: American Fisheries Society, Western Division.
- Wickett, W. P. 1958. Review of certain environmental factors affecting the production of pink and chum salmon. Journal of the Fisheries Research Board of Canada 15(5):1103-1126.
- Wilderness Society, The. 1988. National forests: Policies for the future--Report to Congress. Washington, D.C.

- Williams, C. D. and J. E. Williams. 1989. Initial application of the Endangered Species Act to saving depleted salmon stocks: A Sacramento River case study.
- Williams, J. E., J. E. Johnson, A. A. Hendrickson, and others. 1989. Fish of North America: Endangered, threatened, or of special concern. Fisheries 14(6):2-20.
- Williams, J. E. and J. N. Rinne. 1992. Biodiversity management on multiple-use federal lands: An opportunity whose time has come. Fisheries 17(3):4-5.
- Williams, J. E., J. E. Johnson, D. A. Hendrickson, S. Contreras-Balderas, J. D. Williams, M. Navarro-Mendoza, D. E. McAllister, and J. E. Deacon. 1989. Fishes of North American endangered, threatened, or of special concern. Fisheries 14(6).
- Wilson, E. O. The diversity of life. 1992. New York: Harcourt, Brace. 387 pp.
- Wilson, J. C. N.d. Whirling disease discovered in Utah. AFS/FHS Newsletter 19(4):5.
- Winegar, H. H. 1977. Camp Creek channel fencing--plant, wildlife, soil, and water response. Rangeman's Journal 4(1):10-12.
- Wolf, K. 1986. Salmonid whirling disease: Status in the United States, 1985. Journal of Wildlife Diseases 22:295-299.
- Wolf, K. and M. E. Markiw. 1976. Mvxosoma cerebralis: in vitro sporulation of the myxosporidian of salmonid whirling disease. Journal of Protozoology 23:425-427.
- Wolf, K. and M. E. Markiw. 1979. Mvxosoma cerebralis: A method for staining spores and other stages with silver nitrate. Journal of the Fisheries Research Board of Canada 35:88-89.
- Wolf, K. and M. E. Markiw. 1982. Mvxosoma cerebralis: Inactivation of spores by hot smoking of infected trout. Canadian Journal of Fisheries and Aquatic Sciences 39:926-928.
- Wolf, K. and M. W. Markiw. 1984. Biology contravenes taxonomy in the Myxozoa: New discoveries show alternation of the invertebrate and vertebrate hosts. Science 225:1449-1452.

- Wolf, K., M. E. Markiw, and J. K. Hiltunen. 1986. Salmonid whirling disease: Tubifex tubifex (Muller) identified as the essential oligochaete in the protozoan life cycle. *Journal of Fish Disease* 9:83-85.
- Wood, C. C. and C. J. Foote. 1990. Genetic differences in the early development and growth of sympatric sockeye salmon and kokanee (Oncorhynchus nerka) and their hybrids. *Canadian Journal of Fisheries and Aquatic Sciences* 46:149-158.
- Wright, R. G. 1988. Audubon wildlife report. 1988/89. Wildlife issues in National Parks. Academic Press, Inc., pp. 169-199.
- Wurtsbaugh, W. and C. P. Hawkins. 1990. Trophic interactions between fish and invertebrates in Bear Lake, Utah-Idaho. Final Report. Department of Fisheries and Wildlife and The Ecology Center, Utah State University.
- Wyoming Natural Diversity Database (WNDD). 1996, January. Global species abstract, Oncorhynchus clarki utah.
- Wyoming Natural Diversity Database (WNDD). 1997, Spring. Oncorhynchus clarki utah.
- Yarrow, H. C. 1874. On the speckled trout of Utah Lake, Salmo virainalis Girard. Report to the U.S. Fish Commission 1873-1874. Pp. 363-368.
- Yasutake, W. T. 1970. Myxosoma cerebralis infection of trout in the western United States. Second International Congress of Parasitology. Abstract #691, September 6-12, 1970, Washington, D.C. *Journal of Parasitology* 56(Section II, Part I):375-376.
- Yasutake, W. T. and H. Wolf. 1970. Occurrence of whirling disease of trout in western United States. *Journal of Parasitology* 56(Section II, Part I):375-376.
- Yoder, W. G. 1972. The spread of Myxosoma cerebralis into native trout population in Michigan. *The Progressive Fish-Culturist* 34:103-106.
- Yount, J. D. and G. J. Niemi. 1990. Recovery of lotic communities from disturbance--A narrative review of case studies. *Environmental Management* 14:547-569.

- Ziller, J. S. 1992. Distribution and relative abundance of bull trout in the Sprague River subbasin, Oregon. In P. J. Howell and D. V. Buchanan, eds. Proceedings of the Gearhart Mountain bull trout workshop, August 1992, Gearhart Mountain, Oregon. Pp. 18-29. Corvallis, Oregon: Oregon Chapter of the American Fisheries Society..